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Air Quality Data for Metals 1977 through 1979 from the National Air Surveillance Networks

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AIR QUALITY DATA FOR METALS
1977 THROUGH 1979
FROM THE NATIONAL AIR SURVEILLANCE NETWORKS

by

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16. ABSTRACT

The National Air Surveillance Network, which has existed for over 20 years, provides air quality information for many urban and nonurban locations within the United States. The data in this publication were collected with the generous support of the many state and local air pollution control agencies that operate the National Air Surveillance Network stations. Also, the ten EPA Regional Offices have participated in this program since 1973 by sending weighted high volume filters to the centralized laboratory for analysis.

This report summarizes the network data for metals determined from high volume samples collected from 1977 through 1979. Concentration values are presented in the form of cumulative frequency distributions. Arithmetic and geometric sample statistics are also reported, as are measures of the precision associated with the analytical methods employed. This report is a continuation in a series of publications of network data.

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FOREWORD

Measurement and monitoring research efforts are designed to anticipate potential environmental problems, to support regulatory actions by developing an in-depth understanding of the nature and processes that impact health and the ecology, to provide innovative means of monitoring compliance with regulations, and to evaluate the effectiveness of health and environmental protection efforts through the monitoring of long-term trends. The Environmental Monitoring Systems Laboratory, Research Triangle Park, North Carolina, has the responsibility for assessment of environmental monitoring technology and systems; implementation of agency-wide quality assurance programs for air pollution measurement systems; and supplying technical support to other groups in the Agency including the Office of Air, Noise, and Radiation, the Office of Toxic Substances, and the Office of Enforcement.

Concentrations of metals in particulate matter from the National Air Surveillance Networks are presented in this report. Measures of the analytical data quality (precision and accuracy) are also included. This report is a continuation in a series of publications of network data.

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ABSTRACT

The National Air Surveillance Networks, which have existed for over 20 years, provide air quality information for many urban and nonurban locations within the United States. This report summarizes the network data for metals determined from high volume samples collected from 1977 through 1979. Concentration values are presented in the form of cumulative frequency distributions. Arithmetic and geometric sample statistics are also reported as are measures of the precision and bias associated with the analytical methods employed. Earlier publications[1-3] have reported data collected from 1970 through 1976.

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ACKNOWLEDGMENTS

The data in this publication were collected with the generous support of the many state and local air pollution control agencies that operate the National Air Surveillance Networks stations. Also, the ten EPA Regional Offices have participated in this program since 1973 by sending weighed high volume filters to the centralized laboratory of the Environmental Monitoring Systems Laboratory for analysis.

SECTION 1

INTRODUCTION

ORGANIZATIONAL STRUCTURE

The U.S. Environmental Protection Agency conducts a variety of air sampling activities to obtain information about air quality in the United States. Often this work is accomplished with the assistance and cooperation of state and local agencies. One such program consists of the National Air Surveillance Networks (NASN) which have existed for over 20 years. As shown in Table 1-1, several changes in NASN operation have occurred since January 1972.

TABLE 1-1. NASN NETWORKS MODIFICATIONS

Date	Change	Impact[a]
January 1972	Sample schedule changed from random biweekly to 12-day systematic samples, first sample collected 1/10/72.	All sites
December 1972	Decentralization, Region II	NJ, NY, PR
April 1973	Decentralization, Region I	CT, ME, MA, NH, RI, VT
December 1973	Decentralization, Regions V, VII,	IL, IN, MI, MN, OH, WI, IA, KS, MO, NE, CO, MT, ND, SD, UT, WY, AZ, CA, HI, NV, AK, ID, OR, WA
January 1974	Decentralization, Regions III, IV, VI	DE, DC, MD, PA, VA, WV, AL, FL, GA, KY, MS, NC, SC, TN, AR, LA, NM, OK, TX

[a]Abbreviations are standard U.S. Postal Service state designations.

The first change, in sampling schedule, was made to encourage coincident sampling with state and local ambient monitoring programs. In addition to assisting with the EPA sampling network, state and local agencies administer

their own air pollution control programs. This change was made to promote better overall program coordination.

The second change, decentralization, was undertaken to shift air monitoring responsibilities from one centralized laboratory - the Environmental Monitoring Systems Laboratory at Research Triangle Park (EMSL/RTP) - to the ten EPA regional laboratories. The 14-month decentralization process was completed in January 1974. At that time, the responsibilities of the ten EPA regional offices were expanded to include overall management of the NASN sites. Additional duties included weighing sample filters and determining concentrations of total suspended particulates (TSP). Table 1-2 and Figure 1-1 show the regional office locations and the geographic areas they serve.

TABLE 1-2. EPA REGIONS AND LOCATIONS OF REGIONAL OFFICES

Region	Regional Office Location
I	Boston, Massachusetts
II	New York, New York
III	Philadelphia, Pennsylvania
IV	Atlanta, Georgia
V	Chicago, Illinois
VI	Dallas, Texas
VII	Kansas City, Missouri
VIII	Denver, Colorado
IX	San Francisco, California
X	Seattle, Washington

Currently, after completing their tasks, the regional laboratories send sample filters to the EPA Filter Bank (FB) for routine analysis of trace constituents, such as metals, nonmetallic inorganic ions, and benzo(a)pyrene. Filters are stored at the FB for nonroutine, special analyses as needed. Although pollutant monitoring is decentralized, analysis and publication of trace pollutant data remain the responsibility of EMSL/RTP.

SAMPLE COLLECTION

Air quality samples are collected at several urban and nonurban NASN sites located across the country. Urban sites are generally located within a city, town, or adjacent suburb. Nonurban sites were originally located in rural or remote areas, although many of these rural areas have become more heavily populated and were influenced by spreading urbanization. Voluntary operation of each site was provided through the generous assistance of local or state agencies, and individuals such as park rangers, firemen, and policemen.

Prior to 1972, 24-hour samples (beginning at midnight) were collected according to a biweekly (26 samples per year) modified random sampling

Figure 1-1. EPA Regions and Regional Offices

schedule. The schedule was modified to ensure equal representation for each day of the week. Since January 10, 1972, samples have been collected every twelfth day (30 or 31 samples per year). This schedule was easily implemented in the field, and no longer needs annual revision.

DATA HANDLING AND ANALYSIS

After performing their duties, the regional laboratories send TSP values to the National Aerometric Data Bank (NADB). Weighed filters are sent to the FB for routine trace-constituent analysis, and for storage until nonroutine analyses are needed. Resulting data are published by EMSL/RTP and sent to the NADB for archiving.

Sampling data for air quality summaries are screened by EMSL/RTP to exclude anomalous data. Precision and bias of the analytical data are determined using statistical analysis. Data accuracy was determined to assist with interpretation of air quality summaries.

The air quality summaries presented here include annual concentration data classified by urban and nonurban origin, and were compiled for the nation as a whole, as well as for individual site locations. Data are presented as cumulative frequency distributions. Arithmetic and geometric means and standard deviations are also tabulated.

SECTION 2

SAMPLING AND ANALYTICAL METHODS

SAMPLING PROCEDURES

The mass of particulate matter per volume of air was determined by weighing a filter before and after sampling, and measuring the sample air flow rate. Air was drawn through a preweighed glass-fiber filter with a high volume air sampler.[4]

The filters, 20.3- x 25.4-cm, were made of flash-fired glass fiber selected for low and uniform background concentrations of the pollutants to be measured. To eliminate filters having pinholes, creases, or other flaws that could affect air flow, the filters were visually screened for imperfections by placing each filter in front of a beam of light. Prior to the initial weighing, the filters were equilibrated for a minimum of 24 hours at a temperature of 24°C and a relative humidity of 50% or less. A balance pan fixture was used that permitted weighing the filters without bending them.

The sampler air flow rate was set at approximately 1.7 m^3/min, or approximately 2500 m^3 of air during the 24-h sampling period. A calibrated flow meter was read at the beginning and end of the sampling period, and the average value was used to obtain the average sample flow rate. Using the sampling time (24 hours) and the measured flow rate, the total sample volume of air was determined.

After sampling, the filters were folded in half lengthwise with the collected particulate matter inside, and returned to the laboratory. The filter with the collected particulates was again equilibrated for at least 24 hours at a temperature of 24°C and a relative humidity of 50% or less, and then weighed to determine the amount of particulate matter that was collected. These suspended particulate mass values were sent routinely to the NADB and the filters were sent to the FB for further analyses.

LABORATORY PROCEDURES

High volume filters exposed in the field were returned to the laboratory by mail. During shipment, each filter was folded in half the long way with the soiled sides facing each other. A 2.5-cm-wide strip was cut from the edge of the filter to the fold at the center. This yielded a 2.5- x 20.3-cm strip which was folded with its soiled sides together.

New laboratory procedures were utilized beginning with the 1977 samples. This was done because use of a new optical emission spectrometer was begun (to replace an obsolete unit) and the desire for data on individual samples rather than quarterly composites required different approaches than had been utilized in the past. The 1977 sample strips, prepared as described above, were extracted by the lead reference method ultrasonic extraction technique using mixed nitric and hydrochloric acids with the hydrochloric acid present at the maximum concentrations allowed in that procedure.[5] One deviation from that procedure was employed. All final solution volumes were 50 ml rather than 100 ml to bring more trace elements into the expected operating range of the new optical emission spectrometer. The change was first tested by analyzing strips with known high lead content; lead was recovered quantitatively.

Solutions obtained from this extraction procedure were analyzed by aspiration with the new Jarrell-Ash 975 Atomcomp Optical Emission Spectrometer. It is a direct-reading type spectrometer with inductively coupled argon-plasma excitation. The spectrometer was calibrated with multielement standards in solutions whose acid composition matched that of the extracted filters. Interelement effects were evaluated and corrections were applied.

Minicomputer readouts of spectrometer operation were transmitted to an associated PDP-11 data-accumulation computer for storage permitting further computations and efficient transmittal to ultimate data bank storage. The PDP-11 provided the final computations and real-time evaluation of two quality control standard solutions for the benfit of the analyst. Each solution contained all of the elements capable of being analyzed by the spectrometer. One solution contained the elements at a low concentration in the operating range of each element, and the other solution had a much higher concentration of the operating range of each element. The solutions were run alternately after every ninth sample. This real-time evaluation permitted the analyst to be certain of satisfactory spectrometer operation before continuing with the analyses.

The 1977 NASN samples had to be analyzed before a complete evaluation of the extraction procedure could be finished. This new procedure was required for the new spectrometer since the previously used procedure, besides varying in extraction efficiency, being hazardous to analysts, and using large amounts of electrical energy and contaminating the atmosphere, had a very low throughput rate making the desired analysis of individual filters impractical. While analyzing the 1977 samples, it became apparent, however, that the modified lead-reference method extraction procedure was producing iron values markedly lower than were expected on the basis of previous experience, and that additional work was required before further samples could be analyzed with confidence. Therefore, simplex analysis was utilized to optimize the extraction procedure. The outcome of the simplex analysis resulted in an even more efficient (in both chemical and laboratory management) procedure.[6]

In brief, the usual 2.5-cm strip was rolled and placed in the bottom of a nominally 50-ml centrifuge tube. A concentrated hydrochloric and nitric

acid (2.8/1) (V/V) mixture was quantitatively dispensed into the tube and the sample was subjected to ultrasonication at 100°C for 50 min. After cooling, deionized water was quantitatively dispensed into the same tube which was then centrifuged at 2000 RPM for 20 min. Carefully decanted solutions from these tubes were then analyzed with the Jarrell-Ash spectrometer. In other respects, the analysis was like that performed on the 1977 samples.

The optimized procedure was applied for the years subsequent to 1977. Comparison of the procedures on several hundred split samples was used to establish relationships between the extraction efficiencies. The 1977 data were then adjusted using the relationships shown in Table 2-1.

TABLE 2-1. ADJUSTMENTS TO 1977 NASN METALS DATA

Metal	Adjustment[a]
Barium	Y = 0.0019 + 1.3104X
Beryllium	No adjustment
Cadmium	No adjustment
Copper	Y = 0.0018 + 1.0948X
Iron	Y = -0.0970 + 2.5143X
Lead	No adjustment
Manganese	Y = 0.0006 + 1.1055X
Molybdenum	Y = 0.0001 + 1.2165X
Nickel	Y = 0.0009 + 1.3034X
Vanadium	Y = 0.0010 + 1.0599X
Zinc	Y = -0.0004 + 1.1762X

[a]Where X = unadjusted value, and
Y = adjusted value

SECTION 3

QUALITY CONTROL

This section presents the quality control data from which analytical performance was determined. Assessment of analytical performance included estimation of precision and bias. Several potential sources of measurement error (e.g., flow control, shipping and storage losses) were associated with sample collection and handling procedures which are not under direct control by EMSL/RTP. These sources are not included in the estimates of data quality presented here.

PRECISION

Table 3-1 presents precision estimates for the various analyses. Measures of precision are expressed as percentages of concentration level because precision is generally concentration dependent. Precision estimates are based upon the differences between analyses performed on two filter strips taken from the same filter. Thus, the measure of precision includes variation caused by cutting, extracting, and analytical processing, as well as any actual variability between filter strips. Precision measurements were made throughout the analysis period. Duplicate strips of every twentieth sample were analyzed, and precision estimates obtained.

Precision was expressed as the percent coefficient of variation (%CV), computed as follows:

$$\%CV = \frac{(100)S_{x_1-x_2}/\sqrt{2}}{GM} \qquad (1)$$

Where x_1, x_2 = concentration values of the analyses of duplicate filter strips, $\mu g/m^3$

$S_{x_1-x_2}$ = standard deviation of a set of differences between duplicate strips, x_1-x_2

GM = grand mean of a set of paired concentration values

TABLE 3-1. MEASURES OF PRECISION FOR 1977-1979 NASN FILTERS

	1977		1978		1979	
METAL	# Pairs	%CV	# Pairs	%CV	# Pairs	%CV
Barium	211	8	178	7	137	50
Beryllium	95	36	31	23	100	41
Cadmium	73	12	123	11	118	54
Copper	211	9	178	8	137	19
Iron	211	14	178	5	137	25
Lead	209	4	178	3	137	15
Manganese	211	12	178	6	137	27
Molybdenum	34	19	87	24	89	29
Nickel	104	18	130	21	109	17
Vanadium	132	8	149	8	124	15
Zinc	209	11	178	11	137	38

The coefficient of variation values reported in Table 3-1 can be used for computing approximate confidence limits on individually reported pollutant concentration values, considering precision only (i.e., assuming no bias). Approximate confidence limits are computed from the following formula:

$$L_u = X\ [1 + kC_v/100] \qquad (2a)$$

$$L_\ell = X\ [1 - kC_v/100] \qquad (2b)$$

Where L_u = upper confidence limit, $\mu g/m^3$

L_ℓ = lower confidence limit, $\mu g/m^3$

X = single reported sample value, $\mu g/m^3$

k = standard normal deviate corresponding to the desired confidence level

C_v = coefficient of variation of individual analysis values, percent

As a sample calculation, assume that an individually reported concentration for iron in 1979 is 5.3 $\mu g/m^3$. In Table 3-1, the corresponding value for the coefficient of variation is 25%. Assuming that 95% confidence limits of the true value are desired, the value of k is 1.96. Substituting these data in Equation 3:

$$L_u = 5.3\ [1 + 1.96(25)/100] = 7.9\ \mu g/m^3 \qquad (3a)$$

$$L_\ell = 5.3\ [1 - 1.96(25)/100] = 2.7\ \mu g/m^3 \qquad (3b)$$

These limits can also be interpreted such that if it were possible to analyze a large number of individual strips from the same filter having a

true iron concentration of 5.3 $\mu g/m^3$, 95% of such results would fall within the stated limits.

It is clear from the data in Table 3-1 that repeatability is a strong function of the year. This is because the supplier of filters changed between 1978 and 1979, and the manufacturers' procedures differed greatly. These overall repeatability figures are affected by the filter characteristics and do not represent the inherent precision of laboratory operations. However, the values for 1979 filters generally deteriorated, reflecting the disintegration of filters during extraction. This can be demonstrated by the use of audit samples.

Samples used for audits have been developed by the Quality Assurance Division (QAD) of EMSL/RTP. The main use of the audit results here is to document chronologically the consistency of the analytical performance. Multielement audit strips are given periodically to the analytical laboratory to be analyzed with the ambient air samples. The analytical laboratory distributes the audit samples as evenly as possible among the analysis days and intersperses the audit samples throughout their normal analyses of ambient air samples.

Table 3-2 presents the recovery information for those metals audited during the 1977 through 1979 analysis period. The percent recovery is calculated as follows:

$$\text{Percent Recovery} = [\text{Laboratory Value}/\text{Expected Value}] \times 100 \qquad (4)$$

TABLE 3-2. SUMMARY OF AUDIT SAMPLE PROGRAM FOR METALS

Metal	% Recovery 1977[a]	1978[b]	1979[c]
Cadmium	81.7	83.4	84.0
Copper	80.0	86.6	84.5
Lead	105.5	101.9	97.3
Manganese	93.6	99.4	96.5
Nickel	79.9	88.0	82.2
Vanadium	87.2	88.2	82.2
Zinc	85.5	89.3	81.4

[a] Based on 51 samples.
[b] Based on 26 samples.
[c] Based on 4 samples.

These recoveries contain uncertainties in the laboratory values and in the expected values, which were obtained by a different technique. Moreover, chemically these audit samples are quite unlike atmospheric particulates and were prepared on glass-fiber substrates which were different from those used in Network operations and which did not disintegrate during extraction.

The overall consistency of the recovery values between years, in contrast to the deteriorating precision evident in Table 3-1, supports the interpretation that the cause of the deteriorating precision observed resides in filter construction and not laboratory performance.

RECOVERY BIAS

When credible information exists, recovery corrections are usually applied to data bases or are included in confidence interval estimation. Because no such recovery bias data exist, recovery data for the National Bureau of Standards (NBS) Standard Reference Material (SRM, 1648), Urban Particulate can be provided. This particulate has elemental ratios that are atypical of those found in material collected using high volume samplers. Moreover, NBS directs that a minimum sample size be used to insure homogeneity and that quantity is five times larger than the usual mass found on an NASN sample.

Recovery statistics from three trials appear in Table 3-3, and were computed using Equation 4 where the expected value is the certified value when available and the information value otherwise. Since important differences possibly exist between the minimum amount of NBS material required, and that found on atmospheric samples, causes of nonquantitative recovery cannot be assigned with confidence. Therefore, these data should not be used for recovery bias estimates.

TABLE 3-3. PERCENT RECOVERIES FROM NBS SRM #1648

Metal	Mean	%RSD
Barium	80	0.8
Beryllium	*	
Cadmium	114	8.5
Copper	100	1.4
Iron	68	1.4
Manganese	88	1.6
Molybdenum	*	
Nickel	90	9.0
Lead	95	1.1
Vanadium	79	1.9
Zinc	97	3.8

*Not listed by NBS

LIMITS OF DISCRIMINATION

The limit of discrimination is the minimum concentration unique to a given batch of filters and the measurement methods involved that can, with a specified degree of probability, be attributed to the particulate on the filter and not be confused with the combined effect of the filter material

itself and the measurement method. The limit of discrimination is determined from the results of blank-filter analysis which includes the combined contributions of the filter material and the measurement method. Limits of discrimination for each of the three analysis years are shown in Table 3-4.

TABLE 3-4. LIMITS OF DISCRIMINATION ($\mu g/m^3$)

Metal	1977	1978	1979
Barium	0.0026	0.0030	0.4853
Beryllium[a]	0.2995	0.0714	0.1730
Cadmium	0.0011	0.0009	0.0007
Copper	0.0053	0.0031	0.0047
Iron	0.0460	0.0272	0.0452
Lead	0.0118	0.0109	0.0117
Manganese	0.0016	0.0008	0.0016
Molybdenum	0.0020	0.0030	0.0025
Nickel	0.0082	0.0027	0.0025
Vanadium	0.0030	0.0007	0.0011
Zinc	0.0152	0.0202	0.3260

[a]Expressed in ng/m^3

SECTION 4

NATIONAL SUMMARY OF AIR QUALITY MEASUREMENTS

Data presented in Tables 4-1 and 4-2 are annual cumulative frequency distributions by metal of individual results for urban and nonurban locations, respectively. In the first line of Table 4-1, the number, 4648, is the number of valid 24-hour samples analyzed for beryllium in 1977. The minimum value detected that year follows and "LD" indicates the value was below the discrimination limit. The next seven entries are the 10 through 99-percentile values. For example, the 99-percentile value of 0.445 indicates that 99% of the 4648 values, i.e., 0.99 x 4648 = 4601, were equal to or less than 0.445 ng/m^3. The next entry is the maximum annual value. Arithmetic means and standard deviation are presented in the last two columns in the table. With the exception of beryllium, all values are expressed in micrograms per cubic meter.

Since typical levels of these pollutants, can be geographically dependent, the national frequency distribution is not helpful for judging the localized contribution and relative severity of these pollutants for an individual site. Therefore, local site analyses should be performed with data from surrounding sites within the same general geographical area. Data for each site are presented in Section 5. Also, some of the year-to-year variability in the national summary tables can be attributed to use of different sets of sites in the summarization, depending upon the completeness criteria for valid data as described in Section 5 and changes in state and local agency participation in the networks over the years.

TABLE 4-1. URBAN NATIONAL CUMULATIVE FREQUENCY DISTRIBUTIONS

Element	Year	No.	Min.	Percentiles 10	30	50	70	90	95	99	Max.	Arithmetic Mean	SD
Beryllium[a]	1977	4648	LD[b]	LD	LD	LD	LD	LD	LD	0.445	1.775	0.0451	0.0702
	1978	3614	LD	LD	LD	LD	LD	0.171	0.234	0.397	1.512	0.0749	0.0895
	1979	2507	LD	LD	LD	LD	LD	LD	0.244	0.401	.985	0.0538	0.0758
Barium	1977	4648	LD	0.010	0.015	0.021	0.031	0.053	0.071	0.176	2.130	0.0316	0.0631
	1978	3614	LD	LD	0.007	0.013	0.021	0.047	0.077	0.170	2.807	0.0265	0.0827
	1979	2507	LD	LD	LD	LD	LD	LD	LD	LD	1.853	0.0048	0.0681
Cadmium	1977	4648	LD	LD	LD	LD	0.002	0.004	0.007	0.021	0.350	0.0022	0.0073
	1978	3614	LD	LD	LD	LD	0.002	0.004	0.007	0.028	0.196	0.0024	0.0083
	1979	2507	LD	LD	LD	LD	0.002	0.004	0.006	0.015	0.178	0.0019	0.0051
Copper	1977	4648	LD	0.051	0.088	0.133	0.212	0.433	0.625	1.156	3.296	0.2075	0.2417
	1978	3614	LD	0.042	0.086	0.138	0.225	0.430	0.556	0.975	4.625	0.2008	0.2109
	1979	2507	LD	0.031	0.061	0.096	0.162	0.363	0.519	0.843	1.627	0.2593	0.1785
Iron	1977	4648	LD	0.34	0.64	0.98	1.46	2.64	3.50	5.95	19.41	1.308	1.191
	1978	3614	0.04	0.35	0.66	0.43	1.37	2.45	3.29	5.77	22.52	1.273	1.272
	1979	2507	LD	0.19	0.46	0.73	1.13	2.12	2.94	5.00	14.41	1.018	1.049
Lead	1977	4648	0.02	0.27	0.48	0.69	0.96	1.70	2.36	4.12	7.48	0.889	0.759
	1978	3614	LD	0.21	0.39	0.57	0.86	1.50	1.97	3.41	8.41	0.765	0.688
	1979	2507	LD	0.15	0.28	0.43	0.65	1.15	1.54	2.72	9.68	0.584	0.560
Manganese	1977	4648	LD	LD	LD	LD	0.04	0.08	0.12	0.29	2.20	0.043	0.068
	1978	3614	LD	LD	LD	LD	0.04	0.09	0.12	0.25	1.06	0.042	0.052
	1979	2507	LD	LD	LD	LD	LD	0.07	0.11	0.26	1.94	0.038	0.062
Molybdenum	1977	4648	LD	LD	LD	LD	LD	0.004	0.007	0.023	0.213	0.0022	0.0056
	1978	3614	LD	LD	LD	LD	LD	0.005	0.008	0.018	0.120	0.0021	0.0049
	1979	2507	LD	LD	LD	LD	LD	LD	0.004	0.015	0.275	0.0015	0.0065
Nickel	1977	4648	LD	LD	LD	LD	0.010	0.024	0.033	0.062	0.645	0.0100	0.0209
	1978	3614	LD	LD	LD	0.006	0.011	0.024	0.032	0.068	0.917	0.0110	0.0232
	1979	2507	LD	LD	LD	LD	0.010	0.022	0.030	0.058	0.207	0.0096	0.0128
Vanadium	1977	4648	LD	LD	LD	LD	0.013	0.040	0.065	0.137	0.339	0.0165	0.0274
	1978	3614	LD	LD	LD	LD	0.015	0.048	0.078	0.153	0.608	0.0191	0.0335
	1979	2507	LD	LD	LD	LD	0.016	0.053	0.085	0.170	0.425	0.0208	0.0352
Zinc	1977	4648	LD	0.037	0.063	0.094	0.151	0.322	0.488	1.176	6.237	0.1611	0.2599
	1978	3614	LD	0.029	0.054	0.085	0.141	0.333	0.529	1.366	6.199	0.1637	0.3026
	1979	2507	LD	LD	LD	LD	LD	LD	LD	0.563	9.051	0.0263	0.2379

[a]Expressed in ng/m^3.
[b]Less than detectable.

TABLE 4-2. NONURBAN NATIONAL CUMULATIVE FREQUENCY DISTRIBUTIONS

Element	Year	No.	Min.	Percentiles 10	30	50	70	90	95	99	Max.	Arithmetic Mean	SD
Beryllium[a]	1977	709	LD[b]	LD	LD	LD	LD	LD	LD	LD	0.568	0.0389	0.0387
	1978	458	LD	LD	LD	LD	LD	0.089	0.134	0.217	0.292	0.0474	0.0379
	1979	235	LD	LD	LD	LD	LD	LD	LD	0.173	0.173	0.0386	0.0199
Barium	1977	709	LD	LD	0.004	0.007	0.010	0.017	0.023	0.040	0.137	0.0089	0.0094
	1978	458	LD	LD	LD	LD	LD	0.014	0.024	0.057	0.096	0.0057	0.0118
	1979	235	LD	LD	LD	LD	LD	LD	LD	0.485	0.485	0.0118	0.0700
Cadmium	1977	709	LD	LD	LD	LD	LD	LD	0.002	0.005	0.037	0.0008	0.0016
	1978	458	LD	LD	LD	LD	LD	0.001	0.002	0.005	0.011	0.0008	0.0010
	1979	235	LD	LD	LD	LD	LD	LD	0.001	0.006	0.031	0.0008	0.0051
Copper	1977	709	LD	0.038	0.069	0.120	0.192	0.450	0.673	1.065	1.670	0.1932	0.2194
	1978	458	LD	0.040	0.095	0.179	0.290	0.607	0.845	1.396	2.104	0.2657	0.2895
	1979	235	LD	0.012	0.035	0.076	0.132	0.322	0.476	0.645	4.003	0.1417	0.2899
Iron	1977	709	LD	LD	0.05	0.10	0.24	0.52	0.72	1.79	3.03	0.218	0.326
	1978	458	LD	0.05	0.12	0.21	0.34	0.60	0.82	1.33	6.44	0.307	0.433
	1979	235	LD	LD	LD	0.11	0.19	0.35	0.46	0.93	2.29	0.162	0.230
Lead	1977	709	LD	LD	0.029	0.065	0.107	0.214	0.269	0.439	0.951	0.0920	0.1035
	1978	458	LD	LD	0.026	0.056	0.093	0.191	0.261	0.520	1.037	0.0843	0.1100
	1979	235	LD	LD	0.024	0.054	0.090	0.216	0.308	0.459	0.647	0.0842	0.1019
Manganese	1977	709	LD	LD	LD	LD	LD	LD	LD	0.08	0.24	0.022	0.013
	1978	458	LD	LD	LD	LD	LD	LD	LD	0.05	0.08	0.021	0.005
	1979	235	LD	LD	LD	LD	LD	LD	LD	LD	0.06	0.021	0.003
Molybdenum	1977	709	LD	LD	LD	LD	LD	LD	0.003	0.006	0.016	0.0011	0.0011
	1978	458	LD	LD	LD	LD	LD	LD	0.004	0.007	0.011	0.0011	0.0013
	1979	235	LD	LD	LD	LD	LD	LD	LD	0.002	0.004	0.0008	0.0004
Nickel	1977	709	LD	LD	LD	LD	LD	LD	0.010	0.052	0.238	0.0048	0.0143
	1978	458	LD	LD	LD	LD	LD	0.007	0.010	0.020	0.030	0.0039	0.0035
	1979	235	LD	LD	LD	LD	LD	LD	0.006	0.013	0.018	0.0032	0.0019
Vanadium	1977	709	LD	LD	LD	LD	LD	0.010	0.018	0.045	0.137	0.0069	0.0082
	1978	458	LD	LD	LD	LD	LD	0.018	0.027	0.059	0.089	0.0085	0.0104
	1979	235	LD	LD	LD	LD	LD	0.016	0.024	0.052	0.083	0.0079	0.0085
Zinc	1977	709	LD	LD	LD	0.023	0.038	0.076	0.116	0.323	5.623	0.0466	0.2316
	1978	458	LD	LD	LD	LD	0.040	0.102	0.142	0.242	1.738	0.0424	0.1101
	1979	235	LD	LD	LD	LD	LD	LD	LD	0.326	0.326	0.0134	0.0462

[a]Expressed in ng/m^3.

[b]Less than detectable.

SECTION 5

DATA TABLES

Data are arranged by urban and nonurban sites. Each monitoring site is assigned a unique code number as described in the SAROAD Station Coding Manual.[7]

The data are presented in the same format as previously described for national summaries. Values are expressed in micrograms of pollutant per cubic meter of air, except for beryllium which is in nanograms. Data are judged to be valid (i.e., representative of an annual sample) if there were at least five valid samples obtained each quarter of the year. In addition, when no samples were collected during one month of a quarter, at least two valid samples must have been collected during the other two months to validate the data. To provide a more comprehensive data summary, some data which are not valid or identified by an asterisk following the year, are presented if the following three conditions were satisfied:

1. A total of at least 15 samples were collected that year,

2. Data for at least two quarters were valid, and

3. At least one sample was obtained in each of the other two quarters.

Values below the discrimination limits are reported as "less than detectable" or "LD's" in the data tables, and a yearly mean is calculated by replacing the LD with a value equal to one-half the LD value. If more than 25% of the individual values during a year are below the lower analytical limits, the summary statistics are not calculated. When more than 50% of the individual results during a year are below the lower analytical limits, only the minimum, maximum, and number of results below the detection limit are shown.

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	.009	.013	.018	.023	.026	.036	.045	.056	.063	.079	.079	.0299	.0183	.0255	1.760
	78*	20	.007	.007	.012	.016	.021	.025	.032	.037	.061	.067	.067	.0229	.0167	.0186	1.913
GADSDEN																	
011480001A01	77	25	.006	.007	.013	.015	.018	.025	.026	.033	.043	.044	.044	.0189	.0107	.0163	1.754
	78*	17	LD	LD	.007	.009	.011	.011	.014	.018	.025	.033	.033	.0111	.0082	.0084	2.302
HUNTSVILLE																	
011860001A01	77	26	.004	.005	.008	.010	.013	.015	.018	.021	.022	.236	.236	.0205	.0442	.0128	2.105
	78*	15	LD	LD	.005	.014	.021	.175	.217	.235	.235	.242	.242	.0872	.1036	.0209	8.212
MOBILE																	
012380001A01	77*	19	.010	.020	.024	.032	.032	.039	.045	.053	.067	.071	.071	.0344	.0165	.0309	1.630
MONTGOMERY																	
012460001A01	77*	20	.003	.005	.009	.012	.012	.015	.020	.021	.024	.028	.028	.0133	.0067	.0117	1.733
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	.005	.006	.007	.013	.022	.029	.038	.045	.048	.068	.068	.0233	.0183	.0173	2.253
	78*	17	LD	LD	.004	.018	.019	.025	.037	.042	.042	.084	.084	.0207	.0215	.0107	3.874
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
FAIRBANKS																	
020160001A01	77*	25	.019	.024	.041	.058	.064	.072	.084	.098	.130	.151	.151	.0610	.0330	.0530	1.739
020160016A01	78*	24	LD	.008	.018	.033	.037	.044	.049	.062	.066	.087	.087	.0345	.0207	.0268	2.385
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	.009	.011	.019	.021	.028	.035	.038	.045	.047	.050	.050	.0271	.0126	.0242	1.649
	78	24	LD	LD	.004	.008	.010	.012	.015	.023	.024	.032	.032	.0098	.0083	.0065	2.752
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
PHOENIX																	
030600002A01	77*	28	.028	.029	.033	.042	.044	.046	.049	.056	.057	.065	.065	.0425	.0105	.0413	1.278
	78*	22	LD	.012	.019	.026	.027	.029	.035	.040	.043	.074	.074	.0269	.0145	.0225	2.100
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TUCSON																	
030860001A01	77	30	.010	.017	.023	.026	.029	.033	.035	.037	.051	.051	.051	.0282	.0101	.0265	1.441

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	LD	LD	.006	.009	.010	.016	.018	.021	.023	.025	.025	.0111	.0073	.0082	2.483
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	LD	LD	.005	.008	.008	.019	.021	.041	.042	.059	.059	.0154	.0165	.0083	3.421
TEXARKANA																	
042560001A01	78*	16	LD	.004	.014	.017	.026	.030	.034	.038	.047	.054	.054	.0233	.0150	.0175	2.511
WEST MEMPHIS																	
042740004A01	78*	17	LD	LD	.004	.007	.010	.012	.019	.022	.039	.049	.049	.0126	.0135	.0076	2.919
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	.019	.023	.032	.035	.041	.051	.057	.067	.079	.120	.120	.0440	.0212	.0401	1.532
	78*	24	.005	.009	.016	.019	.020	.025	.028	.037	.038	.048	.048	.0218	.0102	.0195	1.650
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BERKELEY																	
050740001A01	77	30	.007	.009	.011	.015	.017	.020	.025	.028	.032	.083	.083	.0188	.0140	.0161	1.683
	78*	24	LD	LD	.004	.007	.008	.014	.016	.021	.023	.024	.024	.0096	.0076	.0065	2.711
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BURBANK																	
050900002A01	77	30	.021	.036	.048	.056	.058	.066	.077	.089	.115	.128	.128	.0613	.0240	.0570	1.475
FRESNO																	
052800002A01	77	30	.014	.016	.027	.032	.035	.039	.044	.054	.065	.073	.073	.0357	.0149	.0329	1.525
	78*	24	LD	LD	.014	.024	.028	.033	.037	.054	.061	.125	.125	.0279	.0261	.0165	3.527
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
LONG BEACH																	
054100001A01	77	27	.022	.025	.030	.037	.038	.053	.055	.065	.091	.125	.125	.0453	.0235	.0418	1.541
LOS ANGELES																	
054180001A01	77	30	.022	.028	.040	.050	.056	.067	.074	.091	.100	.138	.138	.0569	.0258	.0519	1.540
	78*	20	.012	.016	.028	.041	.045	.049	.054	.059	.061	.077	.077	.0400	.0176	.0359	1.653
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-90.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND 055300001A01	77	29	.012	.014	.018	.026	.031	.035	.042	.052	.060	.069	.069	.0310	.0154	.0276	1.638
ONTARIO 055380001A01	77	30	.017	.019	.038	.055	.059	.061	.073	.081	.084	.114	.114	.0525	.0240	.0466	1.684
	78*	24	LD	LD	.017	.027	.033	.035	.043	.052	.054	.058	.058	.0281	.0174	.0197	2.909
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
PASADENA 055760002A01	77	29	.010	.014	.030	.034	.034	.038	.047	.051	.076	.103	.103	.0363	.0190	.0321	1.666
SACRAMENTO 056580001A01	77	30	.009	.013	.016	.022	.024	.026	.034	.036	.042	.046	.046	.0240	.0098	.0221	1.507
	78*	24	LD	LD	.010	.012	.016	.021	.027	.035	.087	.125	.125	.0225	.0281	.0131	3.049
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SAN BERNARDINO 056680001A01	77	29	.013	.015	.030	.039	.042	.047	.048	.060	.071	.103	.103	.0401	.0197	.0356	1.671
	78*	24	LD	LD	.009	.017	.022	.026	.030	.033	.044	.047	.047	.0196	.0130	.0138	2.771
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SAN DIEGO 056800004A01	77	30	.012	.015	.020	.022	.028	.030	.038	.065	.068	.098	.098	.0313	.0199	.0269	1.702
	78*	24	.006	.007	.013	.017	.018	.020	.030	.042	.043	.063	.063	.0216	.0140	.0181	1.834
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SAN FRANCISCO 056860001A01	77	30	.013	.014	.016	.018	.022	.024	.025	.037	.046	.078	.078	.0234	.0133	.0212	1.509
SAN JOSE 056980004A01	77	30	.011	.013	.023	.037	.039	.045	.049	.057	.064	.066	.066	.0358	.0162	.0320	1.656
	78*	24	LD	.004	.015	.021	.023	.028	.034	.038	.040	.042	.042	.0224	.0115	.0183	2.179
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SANTA ANA 057180001A01	77	29	.015	.017	.024	.030	.038	.040	.051	.070	.097	.119	.119	.0402	.0256	.0343	1.739
	78*	20	.005	.007	.012	.018	.019	.033	.043	.047	.050	.081	.081	.0260	.0193	.0201	2.106
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TORRANCE 058260001A01	77	29	.012	.016	.023	.032	.034	.041	.055	.079	.092	.092	.092	.0396	.0245	.0333	1.809

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	.021	.024	.037	.043	.047	.048	.051	.072	.078	.128	.128	.0487	.0246	.0444	1.538
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	LD	LD	LD	.006	.010	.015	.020	.023	.027	.029	.029	.0101	.0097	.0055	3.307
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
HARTFORD																	
070420002A01	77*	16	.007	.008	.012	.014	.015	.016	.018	.024	.025	.029	.029	.0153	.0062	.0143	1.481
	78*	21	LD	LD	LD	.007	.008	.013	.018	.021	.021	.034	.034	.0090	.0092	.0051	3.202
NEW HAVEN																	
070700001A01	77*	15	.011	.014	.015	.017	.018	.021	.021	.023	.023	.038	.038	.0184	.0063	.0177	1.334
070700123A01	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
WATERBURY																	
071240123A01	77*	26	.014	.017	.022	.028	.029	.031	.034	.044	.050	.062	.062	.0295	.0114	.0276	1.445
	78	31	.004	.007	.011	.016	.017	.022	.026	.033	.033	.073	.073	.0191	.0135	.0157	1.872
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
DELAWARE																	
NEWARK																	
080140001A01	77	29	.008	.011	.015	.019	.020	.024	.030	.034	.044	.046	.046	.0220	.0102	.0208	1.560
WILMINGTON																	
080260002A01	77	2[illegible]	.014	.019	.027	.031	.035	.042	.044	.049	.050	.106	.106	.0360	.0174	.0331	1.503
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
JACKSONVILLE																	
101960002A01	77	28	.010	.013	.016	.021	.021	.025	.028	.030	.084	.134	.134	.0269	.0250	.0222	1.705
101960049A01	78*	23	LD	LD	LD	.008	.011	.014	.050	.253	.279	.534	.534	.0640	.1301	.0106	7.002
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
MIAMI																	
102700002A01	77*	20	.009	.009	.013	.015	.016	.017	.018	.020	.021	.038	.038	.0161	.0063	.0152	1.395

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4053	+-90.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	.004	.008	.010	.015	.015	.017	.020	.025	.035	.036	.036	.0160	.0080	.0143	1.631
	78*	23	LD	LD	.006	.008	.008	.010	.011	.013	.013	.021	.021	.0079	.0048	.0061	2.282
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GEORGIA																	
ATLANTA																	
110200001A01	77	27	.008	.015	.021	.029	.031	.039	.043	.068	.084	.419	.419	.0469	.0765	.0313	2.104
	78*	24	.010	.013	.020	.051	.061	.068	.072	.079	.085	.088	.088	.0488	.0262	.0401	2.011
COLUMBUS																	
111280001A01	77	28	.004	.007	.009	.010	.012	.013	.015	.018	.022	.022	.022	.0119	.0048	.0110	1.509
SAVANNAH																	
114500001A01	77*	18	.003	.004	.009	.013	.015	.016	.017	.021	.026	.138	.138	.0199	.0301	.0130	2.253
HAWAII																	
HONOLULU																	
120120001A01	77	30	.004	.005	.005	.007	.008	.010	.013	.014	.019	.021	.021	.0087	.0046	.0077	1.598
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
IDAHO																	
BOISE CITY																	
130220001A01	77	28	.009	.012	.016	.019	.021	.022	.023	.026	.040	.045	.045	.0202	.0079	.0189	1.429
	78	26	LD	LD	.008	.011	.013	.016	.024	.027	.050	.055	.055	.0152	.0133	.0105	2.574
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	.015	.020	.024	.034	.035	.037	.038	.038	.042	.054	.054	.0318	.0094	.0305	1.361
CHICAGO																	
141220001A01	77*	18	.008	.016	.021	.031	.033	.042	.051	.070	.070	.176	.176	.0416	.0380	.0321	2.021
MOLINE																	
145120001A01	77*	23	.007	.007	.011	.013	.015	.015	.017	.020	.024	.037	.037	.0143	.0065	.0132	1.472
NORTH CHICAGO																	
145620002A01	77*	23	.009	.010	.015	.018	.020	.022	.026	.034	.035	.042	.042	.0205	.0086	.0190	1.497

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE¹	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	.018	.021	.028	.038	.039	.048	.063	.077	.081	.093	.093	.0436	.0218	.0390	1.616
ROCK ISLAND																	
146700001A01	77*	21	.009	.010	.013	.014	.020	.022	.023	.033	.034	.052	.052	.0193	.0103	.0173	1.570
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	.012	.012	.033	.049	.053	.059	.064	.068	.082	.108	.108	.0481	.0227	.0422	1.762
	78*	18	LD	.007	.019	.022	.025	.031	.032	.054	.082	.094	.094	.0313	.0244	.0230	2.523
EVANSVILLE																	
151300001A01	77*	18	.008	.010	.013	.016	.018	.021	.021	.022	.027	.038	.038	.0178	.0070	.0167	1.442
151300006A01	78*	23	.004	.004	.009	.014	.016	.018	.019	.025	.031	.032	.032	.0148	.0078	.0128	1.779
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
FORT WAYNE																	
151380003A01	77*	23	.007	.011	.016	.021	.022	.023	.024	.037	.043	.089	.089	.0238	.0163	.0206	1.666
	78	25	.005	.008	.012	.014	.014	.017	.021	.023	.023	.031	.031	.0150	.0061	.0138	1.521
GARY																	
151520001A01	77*	26	.010	.014	.026	.034	.040	.042	.051	.059	.074	.093	.093	.0379	.0197	.0332	1.713
	78*	25	LD	.011	.019	.024	.026	.029	.033	.043	.050	.126	.126	.0282	.0231	.0219	2.236
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
HAMMOND																	
151780001A01	78*	24	.008	.010	.016	.028	.031	.035	.035	.072	.083	.107	.107	.0321	.0240	.0260	1.912
	79*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.539				
151780002A01	77*	20	.012	.020	.026	.029	.034	.047	.054	.064	.067	.070	.070	.0381	.0174	.0344	1.592
INDIANAPOLIS																	
152040002A01	77	27	.009	.012	.015	.017	.018	.020	.024	.032	.045	.050	.050	.0205	.0100	.0187	1.511
	78*	19	LD	.005	.008	.011	.011	.014	.019	.022	.024	.026	.026	.0124	.0071	.0103	2.004
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
NEW ALBANY																	
152980002A01	77*	24	.007	.009	.011	.013	.014	.018	.019	.021	.023	.027	.027	.0149	.0050	.0141	1.389
	78*	22	LD	LD	.006	.011	.013	.017	.029	.042	.043	.058	.058	.0162	.0156	.0093	3.304
SOUTH BEND																	
153880002A01	77*	27	.007	.009	.015	.019	.021	.029	.032	.047	.051	.059	.059	.0238	.0142	.0282	1.779
	78*	23	LD	LD	.008	.011	.012	.013	.016	.018	.019	.024	.024	.0113	.0056	.0095	2.041

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
TERRE HAUTE																	
154080001A01	77*	26	.008	.009	.010	.014	.015	.018	.024	.029	.032	.033	.033	.0166	.0082	.0149	1.588
	78	24	LD	LD	.005	.008	.010	.016	.017	.022	.025	.106	.106	.0142	.0288	.0084	2.735
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	.007	.008	.013	.015	.019	.019	.021	.029	.035	.038	.038	.0176	.0080	.0160	1.565
DAVENPORT																	
161060001A01	77*	26	.008	.011	.016	.019	.021	.023	.029	.033	.045	.052	.052	.0218	.0106	.0197	1.582
	78	28	LD	LD	.007	.009	.011	.014	.016	.020	.021	.047	.047	.0114	.0091	.0083	2.427
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
DES MOINES																	
161180001A01	78*	23	LD	LD	.007	.011	.014	.016	.021	.024	.025	.033	.033	.0128	.0088	.0091	2.654
	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
DUBUQUE																	
161260002A01	77*	21	LD	.004	.005	.007	.008	.008	.009	.012	.015	.016	.016	.0077	.0034	.0069	1.681
161260008A01	77*	21	.003	.006	.007	.009	.009	.011	.014	.019	.024	.026	.026	.0108	.0060	.0095	1.644
	78*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.014				
WATERLOO																	
163760004A01	77	26	.009	.009	.015	.017	.018	.018	.029	.031	.034	.062	.062	.0201	.0112	.0180	1.585
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	.012	.013	.033	.044	.049	.060	.081	.119	.155	.171	.171	.0579	.0433	.0449	2.106
171800012A01	77	27	.019	.037	.056	.075	.092	.104	.127	.189	.264	.469	.469	.1043	.0919	.0816	1.968
171800015A01	77	30	.021	.023	.032	.041	.048	.053	.063	.076	.093	.093	.093	.0470	.0210	.0428	1.555
	78	28	.006	.013	.022	.028	.034	.039	.051	.064	.090	.100	.100	.0369	.0228	.0307	1.918
TOPEKA																	
173560001A01	77*	24	.008	.009	.012	.014	.015	.018	.019	.022	.024	.052	.052	.0166	.0088	.0152	1.490
	78	26	.005	.007	.011	.013	.014	.015	.022	.027	.029	.040	.040	.0153	.0084	.0135	1.663

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	.011	.012	.015	.016	.016	.018	.020	.024	.024	.028	.028	.0172	.0046	.0167	1.291
	78*	25	.004	.006	.009	.012	.013	.015	.017	.019	.019	.031	.031	.0126	.0058	.0113	1.607
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	.003	.011	.016	.029	.040	.048	.050	.080	.111	.113	.113	.0395	.0303	.0295	2.318
	78*	19	LD	.005	.018	.026	.027	.032	.039	.089	.098	.124	.124	.0368	.0332	.0247	2.799
BOWLING GREEN																	
180320001A01	77	25	.003	.005	.006	.007	.008	.010	.011	.013	.014	.028	.028	.0087	.0051	.0077	1.616
COVINGTON																	
180800001A01	77	28	.009	.011	.012	.015	.017	.018	.019	.023	.026	.029	.029	.0162	.0054	.0154	1.369
	78*	18	LD	LD	LD	.008	.009	.010	.011	.013	.022	.024	.024	.0087	.0066	.0062	2.620
	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
LEXINGTON																	
182300001A01	77*	23	.007	.008	.009	.011	.012	.017	.019	.024	.025	.048	.048	.0151	.0091	.0133	1.611
182300003A01	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
LOUISVILLE																	
182380002A01	77	26	.010	.012	.016	.018	.023	.024	.029	.035	.041	.041	.041	.0220	.0089	.0204	1.482
182380035A01	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	.008	.012	.017	.021	.025	.026	.032	.035	.056	.235	.235	.0313	.0427	.0234	1.864
	78*	24	LD	.004	.009	.014	.019	.023	.027	.031	.040	.048	.048	.0180	.0118	.0138	2.279
IBERVILLE PAR																	
191280002A01	77	24	.005	.006	.013	.016	.017	.019	.023	.033	.045	.215	.215	.0259	.0414	.0173	2.111
	78	28	LD	LD	LD	.010	.020	.025	.028	.034	.065	.070	.070	.0181	.0187	.0093	3.776
NEW ORLEANS																	
192020002A01	77	26	.014	.029	.035	.048	.062	.075	.078	.107	.541	.550	.550	.1003	.1446	.0602	2.417
	78*	24	.010	.024	.034	.051	.079	.087	.131	.250	.272	.354	.354	.0957	.0920	.0653	2.425
SHREVEPORT																	
192740001A01	78*	24	.007	.008	.012	.015	.018	.021	.022	.031	.034	.034	.034	.0180	.0080	.0164	1.573

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	.008	.009	.011	.013	.016	.017	.020	.026	.036	.039	.039	.0167	.0085	.0151	1.558
	78	27	LD	LD	LD	.005	.007	.009	.011	.013	.020	.023	.023	.0066	.0060	.0043	2.649
	79	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	.017	.023	.027	.035	.037	.039	.047	.054	.070	.076	.076	.0376	.0143	.0352	1.441
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	LD	.008	.010	.011	.014	.014	.020	.023	.029	.030	.030	.0140	.0070	.0122	1.812
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
CAMBRIDGE																	
220360001A01	78	28	LD	LD	LD	.004	.005	.006	.006	.007	.010	.014	.014	.0043	.0032	.0032	2.156
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
FALL RIVER																	
220580001A01	78	29	LD	LD	LD	.005	.005	.007	.009	.011	.018	.026	.026	.0061	.0058	.0041	2.528
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
NEW BEDFORD																	
221500002A01	78	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.018				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
SPRINGFIELD																	
222160002A01	78	29	LD	LD	.006	.013	.022	.079	.114	.142	.160	.204	.204	.0525	.0630	.0182	5.280
	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
WORCHESTER																	
222640004A01	77	23	.007	.008	.012	.015	.017	.020	.021	.025	.025	.032	.032	.0163	.0064	.0151	1.503
	78	29	LD	LD	.010	.014	.017	.087	.131	.175	.187	.199	.199	.0591	.0713	.0210	5.279
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	.009	.014	.024	.040	.042	.052	.057	.063	.067	.100	.100	.0408	.0216	.0353	1.776

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	.009	.011	.013	.019	.026	.030	.043	.057	.074	.084	.084	.0298	.0235	.0230	2.053
	78*	22	LD	LD	LD	.013	.016	.021	.028	.037	.057	.057	.057	.0161	.0174	.0073	4.203
GRAND RAPIDS																	
231820001A01	77*	22	.005	.007	.011	.017	.019	.021	.022	.030	.030	.033	.033	.0171	.0080	.0152	1.676
LANSING																	
232840001A01	77*	22	.008	.010	.013	.018	.024	.029	.046	.048	.058	.213	.213	.0332	.0430	.0227	2.202
	78*	23	LD	LD	LD	.009	.012	.015	.016	.026	.035	.048	.048	.0117	.0122	.0064	3.366
SAGINAW																	
234760001A01	77	25	.004	.007	.009	.012	.014	.017	.017	.024	.025	.025	.025	.0137	.0060	.0125	1.575
	78*	22	LD	LD	LD	.006	.008	.008	.010	.018	.021	.028	.028	.0072	.0072	.0044	2.871
TRENTON																	
235120004A01	77*	21	.007	.008	.016	.021	.026	.029	.039	.042	.047	.049	.049	.0247	.0124	.0218	1.702
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	.004	.006	.008	.011	.015	.018	.027	.039	.039	.048	.048	.0167	.0124	.0132	2.018
241040017A01	78*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.019				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
MINNEAPOLIS																	
242260027A01	77	24	.011	.012	.019	.023	.029	.032	.033	.060	.061	.087	.087	.0306	.0189	.0263	1.732
	78	28	LD	.003	.007	.015	.020	.024	.035	.040	.057	.094	.094	.0215	.0206	.0137	2.833
ST PAUL																	
243300031A01	77*	24	.012	.013	.018	.023	.027	.031	.035	.044	.068	.070	.070	.0281	.0153	.0250	1.615
	78*	17	LD	LD	.005	.008	.008	.012	.013	.018	.023	.044	.044	.0107	.0104	.0073	2.552
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	.005	.010	.012	.014	.017	.020	.022	.029	.037	.043	.043	.0180	.0087	.0163	1.574
	78	31	LD	LD	.007	.012	.017	.020	.021	.024	.027	.043	.043	.0144	.0096	.0108	2.374

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4053	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY 262380002A01	78	29	.010	.011	.018	.021	.023	.026	.033	.045	.050	.069	.069	.0255	.0139	.0225	1.649
ST LOUIS 264280001A01	77	27	.017	.019	.025	.048	.053	.064	.110	.155	.316	.375	.375	.0783	.0888	.0513	2.410
MONTANA																	
HELENA 270720001A01	77*	20	.004	.005	.008	.009	.011	.011	.012	.027	.030	.050	.050	.0130	.0110	.0104	1.861
NEBRASKA																	
LINCOLN 281560002A01	77	28	.008	.010	.012	.018	.021	.023	.024	.026	.030	.031	.031	.0178	.0069	.0165	1.502
	78	25	LD	LD	.007	.013	.014	.017	.021	.024	.030	.032	.032	.0130	.0088	.0094	2.597
OMAHA 281880034A01	77*	17	.009	.014	.019	.026	.026	.028	.032	.033	.040	.050	.050	.0256	.0098	.0239	1.485
	78*	15	.005	.009	.011	.012	.017	.018	.018	.031	.031	.034	.034	.0161	.0081	.0144	1.641
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
NEVADA																	
LAS VEGAS 290320001A01	77	27	.016	.023	.029	.033	.037	.044	.048	.049	.075	.090	.090	.0386	.0166	.0357	1.476
	78*	21	.003	.005	.012	.015	.019	.020	.022	.025	.026	.028	.028	.0162	.0072	.0143	1.773
	79*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
RENO 290480001A01	77*	23	.011	.017	.028	.040	.042	.043	.061	.068	.080	.126	.126	.0442	.0258	.0381	1.756
	78	26	.007	.011	.017	.027	.031	.034	.053	.053	.119	.235	.235	.0401	.0462	.0283	2.180
	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
CONCORD 300120002A01	77*	18	.004	.005	.006	.007	.008	.011	.011	.012	.016	.017	.017	.0089	.0037	.0082	1.497
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	.014	.014	.021	.025	.025	.029	.031	.047	.070	.075	.075	.0287	.0150	.0259	1.546
	78	23	LD	.004	.007	.013	.014	.016	.016	.022	.067	.075	.075	.0162	.0102	.0111	2.330
CAMDEN																	
310720001A01	77*	21	.014	.016	.020	.034	.036	.037	.044	.057	.058	.075	.075	.0341	.0163	.0306	1.610
	78	28	LD	.005	.010	.015	.021	.026	.028	.038	.056	.060	.060	.0208	.0161	.0150	2.435
CAMDEN CO																	
310740003A01	77*	24	.003	.006	.012	.019	.020	.023	.031	.040	.043	.046	.046	.0206	.0124	.0170	1.943
	78*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.034				
ELIZABETH																	
311300002A01	78	29	LD	LD	.005	.011	.013	.014	.018	.037	.041	.048	.048	.0138	.0128	.0085	2.997
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GLASSBORO																	
311700001A01	77*	21	.004	.006	.008	.013	.015	.015	.018	.020	.023	.025	.025	.0132	.0059	.0119	1.627
	78	27	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.011				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
JERSEY CITY																	
312320001A01	77*	23	.012	.016	.021	.030	.031	.033	.038	.042	.047	.056	.056	.0300	.0108	.0281	1.461
	78*	23	LD	.005	.008	.013	.016	.018	.022	.025	.046	.050	.050	.0162	.0122	.0124	2.204
	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NEWARK																	
313480001A01	77*	21	.013	.013	.020	.025	.031	.036	.040	.043	.050	.078	.078	.0299	.0152	.0269	1.590
	78	26	.005	.006	.013	.017	.020	.022	.047	.052	.202	.296	.296	.0383	.0651	.0203	2.678
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
PATERSON																	
314140001A01	77*	16	.014	.019	.027	.032	.037	.042	.054	.074	.076	.132	.132	.0435	.0298	.0370	1.748
314140005A01	78*	17	LD	LD	.005	.012	.013	.016	.019	.027	.030	.040	.040	.0135	.0110	.0087	3.068
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PERTH AMBOY																	
314220001A01	77	27	.004	.010	.012	.019	.020	.022	.024	.026	.030	.033	.033	.0181	.0071	.0166	1.580
	78	28	LD	LD	.005	.010	.010	.014	.016	.024	.029	.030	.030	.0117	.0083	.0087	2.359
TRENTON																	
315400001A01	77*	19	.008	.008	.016	.022	.025	.026	.948	1.007	1.013	1.043	1.043	.2767	.4439	.0509	6.401
	78	31	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.044				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4053	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	.019	.026	.038	.048	.050	.059	.062	.088	.091	.237	.237	.0559	.0421	.0478	1.684
	78*	22	.015	.015	.031	.035	.043	.047	.055	.062	.079	.118	.118	.0424	.0235	.0373	1.688
NEW YORK																	
ALBANY																	
330040001A01	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
BUFFALO																	
330660001A01	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
NIAGARA FALLS																	
334740001A01	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
ROCHESTER																	
335760001A01	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
SYRACUSE																	
336620001A01	79*	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
UTICA																	
336880001A01	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
YONKERS																	
337620001A01	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	.007	.008	.011	.013	.014	.014	.021	.022	.032	.050	.050	.0153	.0093	.0135	1.608
	78	30	LD	LD	.006	.012	.251	.275	.357	.442	.494	.539	.539	.1619	.1916	.0314	9.494
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
DURHAM																	
341160001A01	78*	23	LD	LD	LD	.006	.007	.009	.009	.011	.012	.015	.015	.0060	.0040	.0046	2.285
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
341160006A01	77	27	.005	.008	.010	.012	.015	.016	.023	.026	.031	.037	.037	.0158	.0082	.0141	1.636

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	.006	.009	.011	.014	.015	.017	.021	.026	.026	.029	.029	.0157	.0063	.0146	1.486
	78*	25	LD	LD	.004	.008	.008	.009	.010	.011	.012	.015	.015	.0069	.0038	.0056	2.063
MOREHEAD CITY																	
342720002A01	78	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.006				
	79*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
WINSTON-SALEM																	
344460002A01	77	29	.009	.011	.014	.018	.019	.022	.027	.032	.039	.041	.041	.0206	.0088	.0190	1.506
	78	29	LD	LD	.008	.013	.016	.018	.025	.316	.518	.537	.537	.0749	.1626	.0153	5.160
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
OHIO																	
AKRON																	
360060014A01	77	26	.010	.011	.012	.015	.018	.019	.025	.026	.029	.035	.035	.0176	.0070	.0164	1.456
	78	26	LD	LD	.004	.007	.009	.014	.015	.016	.033	.042	.042	.0103	.0100	.0064	2.857
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
CANTON																	
361000001A01	77*	27	.011	.012	.016	.020	.024	.031	.034	.039	.044	.047	.047	.0244	.0109	.0221	1.561
	78*	25	LD	LD	.005	.010	.011	.013	.018	.021	.025	.025	.025	.0110	.0078	.0075	2.793
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
CINCINNATI																	
361220001A01	77	29	.011	.013	.016	.023	.024	.029	.035	.036	.049	.068	.068	.0257	.0128	.0232	1.580
	78	30	LD	LD	.007	.008	.010	.011	.013	.022	.024	.024	.024	.0103	.0065	.0083	2.104
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
361220019A01	78*	18	LD	.006	.009	.012	.014	.016	.016	.022	.023	.038	.038	.0138	.0082	.0115	1.989
	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
CLEVELAND																	
361300001A01	77*	19	.013	.013	.019	.023	.024	.032	.034	.036	.037	.039	.039	.0255	.0085	.0241	1.424
	78	26	LD	.005	.011	.018	.019	.024	.025	.030	.052	.054	.054	.0197	.0139	.0149	2.303
	79*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
COLUMBUS																	
361460001A01	77	25	.012	.012	.016	.018	.022	.026	.031	.035	.036	.045	.045	.0220	.0093	.0203	1.503
	78*	26	LD	.004	.008	.013	.014	.018	.024	.034	.332	.648	.648	.0611	.1463	.0159	3.978
	79*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.485				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4053	+-98.0

														ARITHMETIC		GEOMETRIC	
SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	MEAN	STDEV	MEAN	STD
OHIO																	
DAYTON																	
361660001A01	77	26	.010	.013	.017	.026	.027	.033	.035	.040	.046	.054	.054	.0267	.0116	.0243	1.570
	78	26	LD	LD	.006	.010	.012	.012	.015	.019	.025	.050	.050	.0117	.0099	.0084	2.474
MANSFIELD																	
363840008A01	77*	25	.006	.007	.011	.014	.016	.018	.021	.027	.035	.043	.043	.0161	.0089	.0142	1.653
	78	29	LD	LD	LD	.006	.007	.008	.012	.014	.020	.030	.030	.0075	.0069	.0048	2.732
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
PORTSMOUTH																	
365620002A01	77	27	.006	.009	.010	.013	.015	.019	.026	.031	.038	.045	.045	.0173	.0104	.0149	1.741
	78	27	LD	LD	.004	.007	.007	.008	.013	.014	.019	.024	.024	.0077	.0058	.0055	2.452
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
STEUBENVILLE																	
366420012A01	77*	21	.009	.012	.016	.023	.026	.028	.033	.037	.041	.102	.102	.0263	.0195	.0223	1.716
	78	24	LD	LD	.005	.018	.024	.027	.077	.171	.180	.196	.196	.0465	.0622	.0160	5.284
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
TOLEDO																	
366600001A01	77*	24	.010	.011	.017	.022	.023	.028	.034	.043	.056	.057	.057	.0255	.0130	.0227	1.621
366600006A01	78*	20	LD	.007	.009	.012	.014	.017	.019	.023	.023	.029	.029	.0139	.0067	.0120	1.903
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
YOUNGSTOWN																	
367760001A01	77	26	.011	.012	.017	.025	.026	.029	.031	.036	.038	.039	.039	.0240	.0087	.0223	1.490
	78	27	LD	.004	.008	.012	.015	.016	.023	.025	.031	.040	.040	.0144	.0091	.0115	2.084
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	.004	.007	.009	.013	.013	.015	.016	.017	.019	.041	.041	.0139	.0076	.0125	1.602
TULSA																	
373000110A01	77	24	.007	.009	.013	.015	.017	.018	.019	.029	.036	.042	.042	.0176	.0084	.0161	1.530
	78*	21	LD	LD	LD	.004	.005	.006	.007	.012	.016	.027	.027	.0057	.0063	.0036	2.504
OREGON																	
PORTLAND																	
381460001A01	77	28	.004	.006	.010	.017	.020	.024	.029	.040	.049	.094	.094	.0219	.0187	.0166	2.186
	78*	24	LD	LD	.004	.009	.012	.015	.029	.034	.038	.046	.046	.0144	.0134	.0083	3.304

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

YEAR	DISCR. LIMIT (UG/M3)	PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	.005	.011	.015	.020	.021	.023	.025	.031	.033	.034	.034	.0199	.0077	.0183	1.551
	78*	19	.003	.007	.010	.015	.015	.016	.019	.020	.023	.027	.027	.0142	.0061	.0128	1.659
ALTOONA																	
390140001A01	77*	22	.012	.013	.016	.020	.021	.029	.032	.038	.040	.052	.052	.0240	.0102	.0222	1.486
BETHLEHEM																	
390780002A01	77	25	.008	.011	.015	.018	.020	.022	.024	.032	.044	.045	.045	.0205	.0095	.0187	1.533
	78*	24	.050	.062	.088	.101	.107	.112	.120	.132	.174	.185	.185	.1036	.0316	.0992	1.356
ERIE																	
393060002A01	77	25	.009	.009	.016	.019	.022	.025	.029	.034	.056	.062	.062	.0227	.0131	.0199	1.666
HARRISBURG																	
393880361A01	77	30	.012	.015	.018	.023	.027	.031	.036	.038	.044	.067	.067	.0268	.0117	.0247	1.493
	78	26	.009	.010	.012	.015	.017	.017	.018	.021	.036	.040	.040	.0166	.0076	.0154	1.470
HAZLETON																	
393960001A01	77	25	.011	.014	.018	.020	.022	.025	.027	.040	.042	.060	.060	.0234	.0107	.0217	1.468
	78	28	LD	LD	.005	.007	.009	.010	.012	.015	.018	.021	.021	.0083	.0051	.0066	2.124
JOHNSTOWN																	
394460803A01	77*	22	.013	.015	.025	.031	.034	.038	.046	.049	.069	.082	.082	.0353	.0169	.0319	1.587
LANCASTER CITY																	
394660002A01	77*	19	.012	.012	.016	.018	.019	.020	.025	.030	.030	.052	.052	.0211	.0094	.0196	1.442
PHILADELPHIA																	
397140004A01	77	28	.014	.019	.024	.031	.033	.041	.043	.056	.063	.107	.107	.0366	.0193	.0328	1.595
PITTSBURGH																	
397260001A01	77*	20	.021	.026	.029	.043	.048	.048	.058	.067	.077	.096	.096	.0462	.0187	.0429	1.481
READING																	
397620001A01	77	29	.009	.011	.015	.019	.020	.024	.026	.027	.031	.037	.037	.0200	.0068	.0188	1.426
	78	29	LD	LD	LD	.005	.006	.007	.008	.011	.016	.047	.047	.0069	.0087	.0045	2.462
SCRANTON																	
398040001A01	77	28	.019	.020	.026	.037	.037	.047	.049	.064	.085	.110	.110	.0404	.0211	.0363	1.583
WARMINSTER																	
399160002A01	77*	23	.009	.012	.015	.019	.019	.019	.020	.026	.027	.032	.032	.0183	.0055	.0175	1.359

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

YEAR	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	.007	.008	.011	.012	.014	.016	.018	.028	.030	.033	.033	.0153	.007[illegible]	.0140	1.525
WILKES-BARRE																	
399430001A01	77	30	.011	.012	.015	.020	.021	.023	.027	.030	.041	.046	.046	.0212	.0090	.0196	1.473
YORK																	
399560322A01	77	30	.009	.011	.014	.017	.019	.023	.027	.028	.037	.049	.049	.0202	.0090	.0186	1.508
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	.010	.011	.054	.092	.101	.124	.137	.208	.253	.419	.419	.1065	.0931	.0716	2.743
	78	28	LD	LD	LD	LD	.007	.012	.021	.071	.088	.103	.103	.0188	.0296	.0058	4.749
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GUAYNABO CO																	
401140001A01	77	28	.010	.012	.016	.020	.022	.024	.024	.027	.040	.048	.048	.0213	.0083	.0199	1.444
	78*	25	LD	LD	.008	.009	.011	.014	.015	.019	.023	.060	.060	.0121	.0113	.0088	2.352
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PONCE																	
401920002A01	77*	24	.010	.011	.016	.020	.021	.024	.025	.034	.035	.036	.036	.0208	.0071	.0197	1.401
	78	27	LD	LD	.007	.010	.010	.010	.014	.016	.022	.066	.066	.0116	.0120	.0085	2.228
	79	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
SABANA SECA																	
402065001A01	77*	26	.007	.008	.010	.011	.012	.014	.016	.017	.019	.020	.020	.0124	.0036	.0119	1.332
SAN JUAN CO																	
402160001A01	77*	24	.009	.011	.015	.018	.020	.020	.021	.024	.025	.026	.026	.0181	.0045	.0175	1.307
	78*	16	LD	.004	.008	.008	.010	.014	.021	.023	.024	.049	.049	.0135	.0115	.0101	2.248
402160003A01	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
TOA BAJA CO																	
402320002A01	78*	18	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.052				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	20	.009	.010	.016	.017	.019	.020	.021	.023	.032	.037	.037	.0186	.0066	.0176	1.403
	78*	19	LD	LD	.005	.010	.010	.011	.011	.014	.022	.029	.029	.0098	.0068	.0075	2.321

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	.005	.008	.008	.009	.011	.017	.020	.025	.028	.081	.081	.0157	.0147	.0126	1.823
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	.009	.010	.014	.019	.020	.022	.025	.035	.041	.042	.042	.0214	.0099	.0195	1.569
	78*	22	LD	LD	.008	.012	.013	.015	.019	.027	.028	.029	.029	.0129	.0079	.0101	2.229
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	.010	.010	.013	.017	.018	.021	.026	.036	.037	.038	.038	.0200	.0088	.0183	1.517
440380020A01	78	29	LD	LD	.011	.014	.015	.020	.023	.033	.049	.071	.071	.0183	.0152	.0129	2.581
	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
KNOXVILLE																	
441740002A01	77*	22	.008	.011	.014	.016	.018	.019	.025	.037	.058	.112	.112	.0240	.0223	.0194	1.782
441740003A01	78	29	LD	LD	.009	.022	.027	.037	.039	.044	.054	.076	.076	.0241	.0189	.0156	3.013
MEMPHIS																	
442340001A01	77*	15	.022	.023	.033	.036	.037	.040	.045	.057	.057	.142	.142	.0431	.0291	.0382	1.578
	78*	19	.007	.009	.015	.022	.022	.025	.030	.035	.036	.955	.955	.0697	.2145	.0225	2.833
442340013A01	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NASHVILLE																	
442540001A01	77*	21	.008	.012	.017	.021	.025	.028	.035	.040	.061	.087	.087	.0272	.0183	.0232	1.739
TEXAS																	
AMARILLO																	
450070002A01	77*	21	.015	.026	.029	.035	.040	.040	.041	.051	.066	.067	.067	.0370	.0124	.0352	1.389
	78*	17	.008	.011	.022	.028	.032	.040	.050	.135	.137	.167	.167	.0483	.0485	.0335	2.322
AUSTIN																	
450220010A01	77*	17	.006	.013	.016	.021	.022	.023	.024	.024	.032	.041	.041	.0206	.0078	.0192	1.506
	78	22	LD	LD	LD	.005	.006	.008	.026	.058	.081	.081	.081	.0168	.0255	.0063	4.080

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	.019	.022	.029	.032	.033	.039	.043	.055	.057	.097	.097	.0361	.0163	.0336	1.448
	78	25	LD	.007	.010	.014	.019	.028	.044	.072	.076	.080	.080	.0266	.0237	.0181	2.568
CORPUS CHRISTI																	
451150001A01	77	26	.021	.028	.035	.043	.049	.051	.068	.084	.092	.128	.128	.0517	.0251	.0469	1.547
	78	26	LD	.009	.030	.038	.049	.054	.078	.081	.088	.122	.122	.0449	.0301	.0326	2.654
DALLAS																	
451310002A01	77*	21	.016	.020	.031	.035	.036	.037	.037	.041	.047	.068	.068	.0343	.0109	.0327	1.367
EL PASO																	
451700002A01	78*	17	LD	.008	.018	.027	.028	.033	.034	.038	.041	.057	.057	.0260	.0134	.0210	2.300
FORT WORTH																	
451880001A01	77	26	.020	.022	.025	.032	.033	.034	.040	.044	.054	.058	.058	.0329	.0099	.0317	1.328
	78	23	.004	.006	.008	.011	.017	.027	.030	.048	.054	.057	.057	.0209	.0165	.0155	2.221
HOUSTON																	
452560001A01	77*	15	.044	.047	.056	.081	.122	.417	.886	1.082	1.082	1.165	1.165	.3580	.4246	.1637	3.736
	78	25	.033	.044	.079	.129	.198	.404	.586	1.703	1.823	2.807	2.807	.4488	.6868	.1886	3.674
LUBBOCK																	
453340001A01	77*	21	.020	.028	.035	.038	.042	.045	.046	.054	.093	.103	.103	.0436	.0199	.0405	1.448
	78	25	LD	.007	.011	.017	.019	.020	.023	.036	.040	.041	.041	.0182	.0104	.0151	2.019
PASADENA																	
454060002A01	77*	27	.015	.028	.039	.043	.048	.062	.074	.088	.379	.522	.522	.0850	.1169	.0553	2.289
	78*	23	.007	.008	.037	.065	.089	.095	.143	.270	.293	1.003	1.003	.1309	.2074	.0665	3.208
SAN ANTONIO																	
454570034A01	77*	23	.015	.018	.025	.028	.029	.030	.033	.038	.039	.046	.046	.0281	.0076	.0271	1.324
	78	26	LD	LD	.006	.010	.013	.017	.033	.046	.183	.189	.189	.0284	.0486	.0114	3.928
WICHITA FALLS																	
455560002A01	77	29	.015	.019	.025	.031	.032	.039	.045	.050	.052	.063	.063	.0338	.0120	.0318	1.428
	78	26	LD	.006	.012	.013	.015	.022	.048	.054	.083	.099	.099	.0257	.0251	.0171	2.556
UTAH																	
OGDEN																	
460680001A01	77*	22	.008	.010	.021	.041	.043	.051	.058	.075	.113	.131	.131	.0440	.0313	.0346	2.096
	78	29	.005	.006	.018	.025	.028	.031	.040	.042	.067	.073	.073	.0275	.0181	.0219	2.082

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

YEAR	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	.028	.033	.075	.107	.109	.285	.366	.538	.554	2.130	2.130	.2680	.4298	.1429	2.877
	78*	25	LD	.024	.051	.073	.087	.108	.133	.247	.329	.822	.822	.1239	.1636	.0731	3.173
VERMONT																	
BURLINGTON																	
470140003A01	77	26	.005	.007	.012	.016	.016	.017	.018	.020	.029	.029	.029	.0152	.0060	.0140	1.535
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	.008	.010	.014	.018	.022	.030	.039	.054	.074	.076	.076	.0273	.0188	.0224	1.866
	78	27	LD	LD	LD	.005	.007	.008	.016	.031	.034	.053	.053	.0101	.0130	.0051	3.292
FAIRFAX CO																	
481060001A01	77*	27	.008	.009	.012	.014	.014	.015	.017	.023	.026	.026	.026	.0148	.0052	.0141	1.304
HAMPTON																	
481440001A01	77	30	.006	.008	.010	.012	.013	.015	.017	.020	.023	.024	.024	.0135	.0047	.0127	1.416
LYNCHBURG																	
481840002A01	77	30	.008	.013	.015	.020	.024	.027	.030	.042	.058	.061	.061	.0247	.0130	.0220	1.617
	78	29	LD	LD	.006	.009	.011	.013	.020	.025	.034	.040	.040	.0127	.0102	.0091	2.403
NORFOLK																	
482140001A01	77	29	.011	.013	.018	.021	.022	.025	.028	.032	.039	.054	.054	.0231	.0090	.0216	1.432
	78	29	LD	LD	LD	.006	.007	.013	.014	.021	.038	.046	.046	.0099	.0111	.0054	3.198
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
PORTSMOUTH																	
482440001A01	77	30	.010	.012	.015	.021	.024	.025	.027	.040	.043	.087	.087	.0240	.0152	.0210	1.636
	78*	25	LD	.004	.010	.014	.015	.020	.032	.039	.066	.082	.082	.0203	.0196	.0134	2.706
RICHMOND																	
482660002A01	77	30	.010	.011	.016	.018	.022	.025	.030	.036	.041	.050	.050	.0226	.0100	.0207	1.522
ROANOKE																	
482700003A01	77	29	.010	.011	.014	.016	.018	.020	.025	.034	.051	.054	.054	.0205	.0110	.0185	1.543

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	.008	.011	.019	.023	.025	.030	.032	.041	.043	.068	.068	.0265	.0139	.0236	1.633
	78	30	LD	LD	.009	.011	.012	.014	.016	.020	.025	.028	.028	.0117	.0067	.0091	2.289
SPOKANE																	
492040001A01	77*	26	.004	.008	.010	.017	.020	.022	.027	.031	.046	.053	.053	.0192	.0122	.0158	1.903
	78	27	LD	LD	.003	.010	.011	.011	.019	.021	.039	.053	.053	.0116	.0120	.0071	2.978
	79*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
TACOMA																	
492140001A01	77	28	.003	.006	.009	.013	.017	.018	.019	.027	.032	.035	.035	.0151	.0084	.0129	1.835
	78	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.017				
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	.014	.022	.024	.030	.035	.038	.039	.044	.062	.072	.072	.0336	.0128	.0316	1.423
	78*	23	LD	LD	.004	.011	.012	.017	.021	.053	.111	.198	.198	.0249	.0447	.0091	4.216
SOUTH CHARLEST																	
501760001A01	77	29	.011	.014	.017	.024	.026	.029	.034	.047	.055	.121	.121	.0290	.0213	.0247	1.711
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	.005	.005	.007	.010	.011	.011	.012	.018	.019	.022	.022	.0105	.0046	.0096	1.526
	78	25	LD	LD	.012	.015	.016	.017	.018	.018	.019	.020	.020	.0128	.0063	.0097	2.622
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
KENOSHA																	
511540001A01	77*	23	.003	.004	.012	.018	.020	.023	.024	.035	.037	.054	.054	.0190	.0121	.0154	2.028
511540003A01	78	30	LD	.015	.022	.025	.027	.029	.033	.038	.045	.055	.055	.0267	.0104	.0238	1.848
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									1.579				
MADISON																	
511860001A01	77	28	.004	.007	.010	.012	.015	.017	.019	.020	.025	.030	.030	.0139	.0059	.0127	1.557
	78	29	LD	.010	.015	.018	.019	.023	.024	.026	.028	.031	.031	.0184	.0067	.0165	1.766
	79*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
MILWAUKEE																	
512200099A01	77	26	.007	.009	.012	.017	.019	.023	.031	.035	.046	.055	.055	.0208	.0124	.0179	1.744
	78	25	LD	.016	.022	.026	.031	.033	.040	.054	.054	.054	.054	.0297	.0135	.0254	2.033
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4053	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	.004	.006	.007	.011	.012	.014	.018	.022	.035	.037	.037	.0137	.0085	.0117	1.751
	78	29	.010	.011	.015	.026	.028	.030	.032	.036	.043	.051	.051	.0248	.0106	.0225	1.590
	79	29	LD	NO. OF SAMPLES (			29) BELOW MIN. DET. > 50%						LD				
SUPERIOR																	
513480001A01	77	21	.009	.011	.014	.017	.020	.022	.024	.026	.028	.042	.042	.0190	.0077	.0177	1.460
	78	26	.004	.012	.017	.019	.019	.020	.022	.024	.026	.032	.032	.0189	.0050	.0180	1.449
513480006A01	79	28	LD	NO. OF SAMPLES (			28) BELOW MIN. DET. > 50%						LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	.004	.005	.009	.010	.010	.015	.017	.019	.021	.023	.023	.0116	.0054	.0104	1.654
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.019				
DELAWARE																	
KENT CO																	
080060001A03	77	29	.007	.007	.008	.010	.010	.012	.015	.016	.020	.024	.024	.0114	.0044	.0107	1.414
	78	30	LD	LD	.005	.008	.009	.010	.011	.012	.013	.019	.019	.0076	.0043	.0060	2.185
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	LD	LD	.003	.003	.003	.004	.004	.013	.030	.030	.0041	.0064	.0000	2.316
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.023				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	LD	.006	.009	.010	.010	.013	.020	.023	.036	.036	.0104	.0081	.0076	2.459
	78	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.017				
INDIANA																	
MONROE CO																	
152800001A03	77*	18	.003	.004	.005	.006	.006	.008	.008	.014	.014	.018	.018	.0077	.0042	.0068	1.617
	78*	20	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.014				
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
PARKE CO																	
153260001A03	77*	22	.003	.003	.005	.007	.009	.010	.013	.013	.014	.015	.015	.0081	.0040	.0071	1.704

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	.004	.004	.005	.006	.007	.007	.007	.009	.011	.014	.014	.0067	.0023	.0064	1.353
	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	.004	.005	.007	.008	.009	.010	.011	.013	.016	.017	.017	.0093	.0031	.0088	1.388
	78*	23	LD	LD	LD	.006	.013	.026	.029	.031	.032	.049	.049	.0143	.0148	.0062	4.271
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	LD	.004	.006	.008	.010	.011	.024	.026	.043	.043	.0100	.0100	.0068	2.442
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	.003	.004	.005	.007	.007	.008	.008	.012	.013	.046	.046	.0086	.0087	.0070	1.760
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	LD	.003	.003	.003	.004	.005	.005	.006	.007	.007	.0035	.0016	.0031	1.688
ROSEBUD CO																	
271360026A03	77*	24	.004	.004	.006	.011	.012	.013	.014	.020	.023	.025	.025	.0112	.0062	.0095	1.821
	78*	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.020				
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	LD	.004	.006	.006	.008	.009	.011	.013	.014	.014	.0066	.0035	.0055	1.911
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.024				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	LD	.003	.006	.006	.007	.008	.009	.010	.010	.010	.0055	.0031	.0043	2.232
	78*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE COOS CO 300140001A03	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
NEW YORK JEFFERSON CO 333340001A03	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
OREGON CURRY CO 380440001A03	77	28	LD	LD	.003	.003	.004	.004	.004	.005	.006	.007	.007	.0034	.0016	.0030	1.718
	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.043				
PENNSYLVANIA CLARION CO 391760001A03	77*	25	.004	.005	.007	.009	.018	.022	.024	.027	.028	.029	.029	.0145	.0092	.0115	2.037
	78	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.004				
RHODE ISLAND WASHINGTON CO 410380002A03	77*	19	.003	.003	.006	.009	.009	.010	.011	.012	.012	.017	.017	.0087	.0035	.0080	1.590
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
SOUTH CAROLINA RICHLAND CO 421900002A03	77*	19	LD	LD	.004	.005	.005	.006	.007	.009	.009	.097	.097	.0096	.0213	.0047	2.664
SOUTH DAKOTA BLACK HILLS NA 430110001A03	77*	24	LD	.003	.004	.005	.005	.006	.008	.011	.012	.012	.012	.0059	.0032	.0052	1.713
	78	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.010				
TENNESSEE CUMBERLAND CO 440680001A03	77	29	LD	.003	.005	.007	.008	.009	.011	.014	.016	.137	.137	.0128	.0243	.0073	2.228

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12107 - BARIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

1977	.0026	+-16.0
1978	.0030	+-14.0
1979	.4853	+-98.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	LD	LD	LD	.007	.011	.040	.054	.057	.086	.086	.0180	.0260	.0058	4.831
TOM GREEN CO																	
455200001A03	77	26	.016	.017	.022	.027	.032	.033	.036	.039	.040	.050	.050	.0289	.0094	.0275	1.385
	78*	17	LD	LD	LD	.017	.018	.046	.063	.085	.094	.096	.096	.0308	.0349	.0114	5.436
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	LD	LD	.004	.004	.004	.005	.008	.008	.027	.027	.0046	.0058	.0032	2.260
	79*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	.006	.007	.009	.010	.010	.011	.011	.014	.016	.019	.019	.0105	.0029	.0101	1.294
	78*	18	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.024				
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
WYTHE CO																	
483440001A03	77	30	.004	.005	.006	.007	.008	.009	.011	.012	.015	.016	.016	.0082	.0031	.0077	1.423
	78*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	LD	LD	.003	.005	.005	.007	.007	.008	.013	.013	.0044	.0033	.0034	2.168
	78*	16	.008	.010	.011	.013	.014	.015	.016	.016	.018	.019	.019	.0132	.0030	.0129	1.261
510780002A03	79*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.465				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	LD	LD	.003	.004	.005	.006	.006	.008	.011	.011	.0040	.0027	.0032	2.969

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78*	20	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.320				
GADSDEN																	
011480001A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.178				
HUNTSVILLE																	
011860001A01	77	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.638				
	78*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
MOBILE																	
012380001A01	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
MONTGOMERY																	
012460001A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.170				
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
FAIRBANKS																	
020160001A01	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
020160016A01	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.222				
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	24	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.161				
	79	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.306				
PHOENIX																	
030600002A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.250				
	79*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.211				
TUCSON																	
030860001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.169				
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TEXARKANA																	
042560001A01	78*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
WEST MEMPHIS																	
042740004A01	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.104				
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.155				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BERKELEY																	
050740001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BURBANK																	
050900002A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
FRESNO																	
052800002A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.405				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
LONG BEACH																	
054100001A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
LOS ANGELES																	
054180001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.210				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 83 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.427				
ONTARIO																	
055380001A01	77	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.534				
	78*	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.349				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
PASADENA																	
055760002A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
SACRAMENTO																	
056580001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.216				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SAN BERNARDINO																	
056680001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.116				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SAN DIEGO																	
056800004A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.127				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SAN FRANCISCO																	
056860001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
SAN JOSE																	
056980004A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.092				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SANTA ANA																	
057180001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.115				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TORRANCE																	
058260001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.110				
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.231				
HARTFORD																	
070420002A01	77*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
	78*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.210				
NEW HAVEN																	
070700001A01	77*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
070700123A01	79	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.244				
WATERBURY																	
071240123A01	77*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	31	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.380				
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.235				
DELAWARE																	
NEWARK																	
080140001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
WILMINGTON																	
080260002A01	77	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.489				
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.189				
JACKSONVILLE																	
101960002A01	77	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.480				
101960049A01	78*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.172				
	79	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.267				
MIAMI																	
102700002A01	77*	20	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.490				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	LD	LD	.096	.099	.109	.166	.268	.301	.346	.346	.1079	.0949	.0770	2.286
	79*	22	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.491				
GEORGIA																	
ATLANTA																	
110200001A01	77	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									1.775				
	78*	24	LD	LD	LD	.098	.150	.196	.218	.265	.266	.295	.295	.1287	.0969	.0905	2.469
COLUMBUS																	
111280001A01	77	28	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.439				
SAVANNAH																	
114500001A01	77*	18	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.540				
HAWAII																	
HONOLULU																	
120120001A01	77	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.551				
	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.313				
IDAHO																	
BOISE CITY																	
130220001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.397				
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
CHICAGO																	
141220001A01	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
MOLINE																	
145120001A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
NORTH CHICAGO																	
145620002A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.437				
ROCK ISLAND																	
146700001A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.601				
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	18	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.332				
EVANSVILLE																	
151300001A01	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
151300006A01	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.208				
FORT WAYNE																	
151380003A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	78	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
GARY																	
151520001A01	77*	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.506				
	78*	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.985				
	79*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.438				
HAMMOND																	
151780001A01	78*	24	LD	LD	LD	LD	.093	.153	.168	.222	.266	.268	.268	.1023	.0797	.0754	2.238
	79*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.471				
151780002A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.350				
INDIANAPOLIS																	
152040002A01	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.375				
	78*	19	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.139				
	79*	19	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.476				
NEW ALBANY																	
152980002A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.353				
SOUTH BEND																	
153880002A01	77*	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.166				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153080002A01	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
TERRE HAUTE																	
154080001A01	77*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.206				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
DAVENPORT																	
161060001A01	77*	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.346				
	78	28	LD	LD	LD	.074	.083	.132	.150	.162	.300	.396	.396	.0997	.0878	.0736	2.158
	79*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.281				
DES MOINES																	
161180001A01	78*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.218				
	79*	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.344				
DUBUQUE																	
161260002A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
161260008A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.374				
WATERLOO																	
163760004A01	77	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.317				
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	LD	LD	LD	.088	.113	.132	.154	.190	.259	.265	.265	.1021	.0717	.0795	2.090
171800012A01	77	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.495				
171800015A01	77	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.348				
	78	28	LD	LD	LD	.095	.110	.146	.202	.233	.570	.625	.625	.1388	.1463	.0937	2.398
TOPEKA																	
173560001A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.186				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
	78*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.112				
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.720				
	78*	19	LD	LD	.120	.167	.209	.354	.468	1.003	1.170	1.512	1.512	.3733	.4407	.1862	3.569
BOWLING GREEN																	
180320001A01	77	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.350				
COVINGTON																	
180800001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.162				
	79	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.342				
LEXINGTON																	
182300001A01	77*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.503				
182300003A01	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.451				
LOUISVILLE																	
182380002A01	77	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.554				
182380035A01	79*	16	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.332				
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									1.296				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.158				
IBERVILLE PAR																	
191280002A01	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.143				
NEW ORLEANS																	
192020002A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.136				
SHREVEPORT																	
192740001A01	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	79	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.671				
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	79	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.517				
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.170				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
CAMBRIDGE																	
220360001A01	78	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.372				
FALL RIVER																	
220580001A01	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.452				
	79*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.282				
NEW BEDFORD																	
221500002A01	78	26	LD	LD	LD	.124	.145	.150	.181	.257	.292	.369	.369	.1240	.0953	.0898	2.343
	79	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.291				
SPRINGFIELD																	
222160002A01	78	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
WORCHESTER																	
222640004A01	77	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.143				
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.313				
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	LD	LD	.103	.105	.136	.164	.180	.235	.268	.268	.1020	.0724	.0782	2.150
GRAND RAPIDS																	
231820001A01	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
LANSING																	
232840001A01	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.204				
SAGINAW																	
234760001A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.111				
TRENTON																	
235120004A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.393				
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
241040017A01	78*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.142				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
MINNEAPOLIS																	
242260027A01	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	28	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.295				
ST PAUL																	
243300031A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.246				
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	31	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.220				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.444				
ST LOUIS																	
264280001A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
MONTANA																	
HELENA																	
270720001A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	25	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.314				
OMAHA																	
281880034A01	77*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.334				
	78*	15	LD	LD	.117	.129	.132	.150	.187	.226	.226	.268	.268	.1342	.0682	.1138	1.927
	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.350				
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.378				
	78*	21	LD	LD	LD	.072	.097	.109	.110	.123	.138	.146	.146	.0746	.0407	.0880	1.792
	79*	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.393				
RENO																	
290480001A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.363				
	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - B[illegible]IUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310100001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.234				
CAMDEN																	
310720001A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.252				
CAMDEN CO																	
310740003A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.175				
ELIZABETH																	
311300002A01	78	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.134				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GLASSBORO																	
311700001A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
JERSEY CITY																	
312380001A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.130				
	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NEWARK																	
313480001A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.158				
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
PATERSON																	
314140001A01	77*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
314140005A01	78*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.190				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PERTH AMBOY																	
314220001A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	78	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									1.272				
TRENTON																	
315400001A01	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
	78	31	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.172				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.407				
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.423				
NEW YORK																	
ALBANY																	
330040001A01	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
BUFFALO																	
330660001A01	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
NIAGARA FALLS																	
334740001A01	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
ROCHESTER																	
335760001A01	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
SYRACUSE																	
336620001A01	79*	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
UTICA																	
336880001A01	79	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.427				
YONKERS																	
337620001A01	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	78	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	79	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.260				
DURHAM																	
341160001A01	78*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.116				
	79	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.264				
341160006A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78*	25	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.238				
MOREHEAD CITY																	
342720002A01	78	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.119				
	79*	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.221				
WINSTON-SALEM																	
344460002A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.252				
	79	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.517				
OHIO																	
AKRON																	
360060014A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.512				
	79	25	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.385				
CANTON																	
361000001A01	77*	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	78*	25	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.354				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
CINCINNATI																	
361220001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	30	LD	LD	LD	.091	.139	.154	.194	.218	.258	.408	.408	.1169	.0921	.0853	2.290
	79	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.985				
361220019A01	78*	18	LD	LD	LD	.105	.110	.118	.125	.166	.176	.180	.180	.0979	.0515	.0827	1.893
	79*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.276				
CLEVELAND																	
361300001A01	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
	78	26	LD	LD	LD	.117	.181	.228	.260	.273	.351	.403	.403	.1567	.1143	.1132	2.418
	79*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.287				
COLUMBUS																	
361460001A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78*	26	LD	LD	LD	.115	.149	.155	.182	.207	.240	.292	.292	.1137	.0780	.0862	2.222
	79*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.173				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
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URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.668				
	78	26	LD	LD	LD	.205	.258	.302	.335	.440	.576	.580	.580	.2165	.1811	.1332	3.038
MANSFIELD																	
363840008A01	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	29	LD	LD	LD	.119	.153	.227	.243	.263	.370	.408	.408	.1483	.1178	.1010	2.570
	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.367				
PORTSMOUTH																	
365620002A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	78	27	LD	LD	LD	.099	.114	.182	.268	.326	.341	.530	.530	.1418	.1298	.0949	2.525
	79	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.332				
STEUBENVILLE																	
366420012A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78	24	LD	LD	LD	.084	.176	.208	.219	.266	.280	.306	.306	.1334	.1007	.0926	2.524
	79	28	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.927				
TOLEDO																	
366600001A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
366600006A01	78*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.121				
	79	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.459				
YOUNGSTOWN																	
367760001A01	77	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.419				
	78	27	LD	LD	LD	.155	.201	.271	.341	.387	.453	.607	.607	.1965	.1590	.1319	2.675
	79	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.401				
OKLAHOMA																	
TAHLEQUAH																	
372080480A01	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
TULSA																	
373000110A01	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.098				
OREGON																	
PORTLAND																	
381460001A01	77	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.458				
	78*	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.414				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.086				
ALTOONA																	
390140001A01	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
BETHLEHEM																	
390780002A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.205				
ERIE																	
393060002A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
HARRISBURG																	
393880361A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.212				
HAZLETON																	
393960001A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.440				
JOHNSTOWN																	
394460803A01	77*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.348				
LANCASTER CITY																	
394660002A01	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PHILADELPHIA																	
397140004A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
PITTSBURGH																	
397260001A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.709				
READING																	
397620001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.278				
SCRANTON																	
398040001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
WARMINSTER																	
399160002A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				

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POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER 399280110A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
WILKES-BARRE 399430001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
YORK 399560322A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
PUERTO RICO																	
GUAYANILLA CO 401100003A01	77*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.308				
	78	20	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.104				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GUAYNABO CO 401140001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78*	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.159				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PONCE 401920002A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.345				
	79	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
SABANA SECA 402065001A01	77*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
SAN JUAN CO 402160001A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	16	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.207				
402160003A01	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
TOA BAJA CO 402320002A01	78*	18	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.225				
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.193				
RHODE ISLAND																	
EAST PROVIDENC 410120001A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	78*	19	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.166				

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POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
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U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.202				
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.503				
440380020A01	78	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.110				
	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
KNOXVILLE																	
441740002A01	77*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.510				
441740003A01	78	29	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.657				
MEMPHIS																	
442340001A01	77*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
	78*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.123				
442340013A01	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NASHVILLE																	
442540001A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
TEXAS																	
AMARILLO																	
450070002A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.155				
AUSTIN																	
450220010A01	77*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
	78	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.147				

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POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.330				
CORPUS CHRISTI																	
451150001A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.170				
DALLAS																	
451310002A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
EL PASO																	
451700002A01	78*	17	LD	LD	.121	.165	.173	.194	.256	.300	.347	.364	.364	.1747	.0989	.1421	2.098
FORT WORTH																	
451880001A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.185				
HOUSTON																	
452560001A01	77*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									1.257				
	78	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.264				
LUBBOCK																	
453340001A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78	25	LD	LD	LD	.101	.124	.133	.136	.157	.203	.227	.227	.0923	.0609	.0729	2.051
PASADENA																	
454060002A01	77*	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.803				
	78*	23	LD	LD	LD	.157	.178	.199	.219	.235	.241	.243	.243	.1341	.0819	.1029	2.267
SAN ANTONIO																	
454570034A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.117				
WICHITA FALLS																	
455560002A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.177				
UTAH																	
OGDEN																	
460680001A01	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.394				

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POLLUTANT - 12105 - BERYLLIUM
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URBAN

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.458				
	78*	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.361				
VERMONT																	
BURLINGTON																	
470140003A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.457				
	78	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.418				
FAIRFAX CO																	
481060001A01	77*	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
HAMPTON																	
481440001A01	77	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.553				
LYNCHBURG																	
481840002A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.158				
NORFOLK																	
482140001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.134				
	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.320				
PORTSMOUTH																	
482440001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.345				
RICHMOND																	
482660002A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
ROANOKE																	
482700003A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				

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U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	LD	NO. OF SAMPLES (31) BELOW MIN. DET. > 50%									LD				
	78	30	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.166				
SPOKANE																	
492040001A01	77*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.319				
	79*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
TACOMA																	
492140001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.259				
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	38	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	LD	LD	.095	.114	.132	.149	.288	.710	.957	.957	.1564	.2260	.0889	2.673
SOUTH CHARLEST																	
501760001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.207				
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
KENOSHA																	
511540001A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
511540003A01	78	30	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.239				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
MADISON																	
511860001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	29	LD	LD	LD	.086	.095	.107	.119	.124	.138	.146	.146	.0792	.0400	.0000	1.773
	79*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
MILWAUKEE																	
512200099A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	25	LD	LD	LD	.097	.127	.198	.218	.309	.325	.361	.361	.1289	.1108	.0869	2.522
	79	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.315				

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U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.255				
	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.262				
SUPERIOR																	
513480001A01	77	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.263				
513480006A01	79	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.239				

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N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON H																	
030370001A03	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.126				
DELAWARE																	
KENT CO																	
080060001A03	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	30	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.217				
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.432				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.292				
INDIANA																	
MONROE CO																	
152800001A03	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
	78*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.123				
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
PARKE CO																	
153260001A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.164				
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
ROSEBUD CO																	
271360026A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.190				
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.275				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE COOS CO 300140001A03	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
NEW YORK JEFFERSON CO 333340001A03	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
OREGON CURRY CO 380440001A03	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
PENNSYLVANIA CLARION CO 391760001A03	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.112				
RHODE ISLAND WASHINGTON CO 410380002A03	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.151				
SOUTH CAROLINA RICHLAND CO 421900002A03	77*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.551				
SOUTH DAKOTA BLACK HILLS NA 430110001A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.270				
TENNESSEE CUMBERLAND CO 440680001A03	77	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.568				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12105 - BERYLLIUM
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 03 - NG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (NG/M3)		95% CONF. PRECISION (%)
1977	.2995	+-71.0
1978	.0714	+-45.0
1979	.1730	+-80.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.131				
TOM GREEN CO																	
455200001A03	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.270				
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	79*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.150				
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
WYTHE CO																	
483440001A03	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.138				
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
	78*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.106				
510780002A03	79*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.173				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)
1977 .0011 +-24.0
1978 .0009 +-22.0
1979 .0007 +-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.014				
	78*	20	LD	LD	LD	.002	.002	.003	.005	.006	.016	.018	.018	.0035	.0049	.0018	3.347
GADSDEN																	
011480001A01	77	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.002				
	78*	17	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
HUNTSVILLE																	
011860001A01	77	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
	78*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.002				
MOBILE																	
012380001A01	77*	19	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
MONTGOMERY																	
012460001A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.003				
	79*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
FAIRBANKS																	
020160001A01	77*	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
020160016A01	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.002				
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	LD	LD	LD	.002	.002	.003	.004	.006	.007	.012	.012	.0027	.0026	.0018	2.613
	78	24	LD	LD	LD	.002	.003	.003	.004	.007	.009	.013	.013	.0029	.0032	.0017	3.104
	79	27	LD	.001	.002	.003	.004	.005	.008	.010	.019	.067	.067	.0070	.0126	.0036	3.003
PHOENIX																	
030600002A01	77*	20	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.003				
	78*	22	LD	LD	.001	.002	.002	.002	.002	.003	.004	.007	.007	.0018	.0014	.0014	2.087
	79*	20	LD	LD	LD	.001	.001	.001	.002	.003	.003	.003	.003	.0013	.0010	.0009	2.400
TUCSON																	
030860001A01	77	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.026				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.010				
	79	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
TEXARKANA																	
042560001A01	78*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
WEST MEMPHIS																	
042740004A01	78*	17	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.005				
	78*	24	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.003				
	79*	20	LD	LD	LD	.001	.002	.002	.009	.011	.012	.018	.018	.0038	.0050	.0016	3.826
BERKELEY																	
050740001A01	77	30	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.004				
	78*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
	79*	20	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.010				
BURBANK																	
050900002A01	77	30	LD	LD	.001	.002	.002	.003	.003	.005	.008	.013	.013	.0026	.0025	.0019	2.246
FRESNO																	
052800002A01	77	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.009				
	78*	24	LD	LD	LD	.001	.001	.002	.002	.003	.003	.021	.021	.0020	.0041	.0011	2.631
	79*	20	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.005				
LONG BEACH																	
054100001A01	77	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
LOS ANGELES																	
054180001A01	77	30	LD	LD	.002	.002	.003	.003	.004	.005	.006	.007	.007	.0026	.0017	.0020	2.102
	78*	20	LD	LD	.001	.002	.003	.003	.004	.004	.004	.004	.004	.0023	.0013	.0018	2.107
	79*	19	LD	LD	.001	.002	.002	.002	.002	.002	.002	.002	.002	.0015	.0008	.0013	1.908

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.007				
ONTARIO																	
055380001A01	77	30	LD	LD	LD	.002	.002	.002	.003	.004	.008	.012	.012	.0022	.0025	.0014	2.563
	78*	24	LD	LD	LD	.002	.002	.002	.002	.002	.003	.004	.004	.0016	.0010	.0013	2.101
	79*	21	LD	LD	.001	.002	.002	.002	.002	.003	.005	.009	.009	.0021	.0019	.0017	2.069
PASADENA																	
055760002A01	77	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.005				
SACRAMENTO																	
056580001A01	77	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.002				
	78*	24	LD	LD	LD	.001	.002	.002	.004	.007	.008	.101	.101	.0094	.0366	.0015	4.119
	79*	21	LD	.001	.001	.003	.005	.006	.006	.016	.019	.022	.022	.0057	.0062	.0034	2.965
SAN BERNARDINO																	
056680001A01	77	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.007				
	78*	24	LD	LD	LD	.002	.002	.002	.002	.003	.003	.006	.006	.0016	.0012	.0012	2.304
	79*	20	LD	LD	LD	.001	.002	.002	.002	.003	.003	.004	.004	.0015	.0011	.0011	2.377
SAN DIEGO																	
056800004A01	77	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.003				
	78*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
	79*	20	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.001				
SAN FRANCISCO																	
056860001A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.002				
SAN JOSE																	
056980004A01	77	30	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.008				
	78*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.006				
	79*	20	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
SANTA ANA																	
057180001A01	77	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.002				
	78*	20	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
	79*	20	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.002				
TORRANCE																	
058260001A01	77	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.023				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)
1977 .0011 +-24.0
1978 .0009 +-22.0
1979 .0007 +-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	LD	LD	LD	.003	.003	.003	.003	.004	.006	.010	.010	.0026	.0024	.0017	2.664
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	LD	LD	LD	.002	.002	.004	.007	.009	.016	.017	.017	.0040	.0049	.0018	3.727
	79	27	LD	LD	.001	.002	.002	.003	.004	.008	.010	.015	.015	.0033	.0037	.0018	3.173
HARTFORD																	
070420002A01	77*	16	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.008				
	78*	21	LD	LD	LD	.002	.002	.003	.003	.004	.004	.005	.005	.0019	.0015	.0013	2.650
NEW HAVEN																	
070700001A01	77*	15	LD	LD	LD	.002	.003	.003	.005	.006	.006	.007	.007	.0026	.0021	.0018	2.600
070700123A01	79	27	LD	LD	LD	.001	.001	.002	.003	.004	.005	.006	.006	.0017	.0015	.0011	2.677
WATERBURY																	
071240123A01	77*	26	LD	LD	.002	.003	.003	.005	.008	.009	.012	.014	.014	.0044	.0038	.0029	2.759
	78	31	LD	LD	LD	.001	.002	.003	.004	.005	.006	.010	.010	.0024	.0023	.0014	2.861
	79	27	LD	LD	.001	.002	.003	.003	.003	.004	.007	.008	.008	.0025	.0019	.0018	2.423
DELAWARE																	
NEWARK																	
080140001A01	77	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.006				
WILMINGTON																	
080260002A01	77	27	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.005				
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.002				
JACKSONVILLE																	
101960002A01	77	28	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
101960049A01	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
MIAMI																	
102700002A01	77*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	LD	LD	LD	.002	.002	.003	.006	.006	.007	.008	.008	.0027	.0026	.0016	2.957
	78*	23	LD	LD	LD	.002	.002	.002	.005	.006	.007	.010	.010	.0025	.0027	.0014	3.213
	79*	22	LD	LD	.002	.003	.003	.004	.006	.006	.006	.007	.007	.0032	.0022	.0023	2.596
GEORGIA																	
ATLANTA																	
110200001A01	77	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
	78*	24	LD	LD	LD	LD	.001	.001	.002	.003	.003	.003	.003	.0012	.0009	.0009	2.144
COLUMBUS																	
111280001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
SAVANNAH																	
114500001A01	77*	18	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
HAWAII																	
HONOLULU																	
120120001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.002				
IDAHO																	
BOISE CITY																	
130220001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.001				
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
CHICAGO																	
141220001A01	77*	18	LD	LD	LD	.001	.002	.002	.003	.004	.005	.006	.006	.0020	.0016	.0015	2.382
MOLINE																	
145120001A01	77*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.040				
NORTH CHICAGO																	
145620002A01	77*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.007				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.007				
ROCK ISLAND																	
146700001A01	77*	21	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.026				
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	LD	LD	.003	.005	.005	.006	.008	.013	.018	.022	.022	.0063	.0053	.0045	2.528
	78*	18	.001	.002	.002	.004	.004	.005	.005	.012	.018	.025	.025	.0060	.0063	.0042	2.233
EVANSVILLE																	
151300001A01	77*	18	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.004				
151300006A01	78*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.007				
	79*	21	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.002				
FORT WAYNE																	
151380003A01	77*	23	LD	LD	LD	.001	.001	.002	.002	.003	.004	.004	.004	.0016	.0011	.0012	2.127
	78	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
GARY																	
151520001A01	77*	26	LD	LD	LD	.002	.002	.002	.003	.003	.007	.008	.008	.0022	.0021	.0015	2.397
	78*	25	LD	LD	.001	.002	.002	.002	.002	.003	.003	.009	.009	.0019	.0017	.0015	2.098
	79*	21	LD	LD	LD	.001	.001	.001	.002	.004	.005	.006	.006	.0015	.0015	.0010	2.569
HAMMOND																	
151780001A01	78*	24	.002	.002	.002	.003	.003	.004	.004	.007	.007	.062	.062	.0057	.0122	.0033	2.108
	79*	23	LD	LD	.001	.001	.002	.003	.003	.006	.007	.056	.056	.0047	.0115	.0018	3.472
151780002A01	77*	20	LD	LD	.001	.003	.003	.003	.005	.005	.008	.023	.023	.0039	.0048	.0025	2.526
INDIANAPOLIS																	
152040002A01	77	27	LD	LD	.003	.006	.007	.010	.014	.026	.056	.075	.075	.0119	.0172	.0058	3.530
	78*	19	LD	LD	.001	.002	.002	.003	.003	.005	.005	.016	.016	.0028	.0035	.0018	2.623
	79*	19	.001	.001	.001	.002	.002	.003	.004	.006	.008	.009	.009	.0029	.0024	.0022	2.031
NEW ALBANY																	
152980002A01	77*	24	LD	LD	LD	.002	.002	.002	.002	.005	.006	.006	.006	.0018	.0017	.0013	2.348
	78*	22	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.006				
SOUTH BEND																	
153880002A01	77*	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.004				
	78*	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.002				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.006				
TERRE HAUTE																	
154080001A01	77*	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.010				
	78	24	LD	LD	.001	.001	.002	.002	.002	.003	.003	.003	.003	.0016	.0009	.0013	1.995
	79*	20	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.002				
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
DAVENPORT																	
161060001A01	77*	26	LD	LD	LD	LD	.001	.002	.003	.008	.016	.029	.029	.0036	.0064	.0014	3.413
	78	28	LD	LD	LD	.001	.001	.004	.005	.023	.052	.075	.075	.0090	.0181	.0019	5.297
	79*	22	LD	LD	.001	.001	.002	.002	.007	.011	.017	.039	.039	.0049	.0089	.0018	4.001
DES MOINES																	
161180001A01	78*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.003				
	79*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.003				
DUBUQUE																	
161260002A01	77*	21	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.002				
161260008A01	77*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
	78*	22	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.002				
WATERLOO																	
163760004A01	77	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.004				
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	LD	.001	.002	.002	.002	.002	.003	.003	.003	.005	.005	.0022	.0009	.0020	1.585
171800012A01	77	27	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.018				
171800015A01	77	30	LD	LD	LD	.002	.002	.002	.003	.004	.007	.010	.010	.0021	.0022	.0014	2.471
	78	28	LD	.001	.001	.002	.002	.003	.003	.004	.006	.008	.008	.0025	.0017	.0020	1.934
TOPEKA																	
173560001A01	77*	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.003				
	78	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.009				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.002				
	78*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	LD	LD	LD	.002	.003	.003	.004	.005	.005	.017	.017	.0029	.0035	.0017	2.907
	78*	19	LD	LD	.002	.003	.003	.004	.005	.005	.007	.032	.032	.0045	.0070	.0024	3.248
BOWLING GREEN																	
180320001A01	77	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.008				
COVINGTON																	
180800001A01	77	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.007				
	78*	18	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.004				
	79	30	LD	LD	LD	.001	.002	.002	.003	.004	.007	.014	.014	.0020	.0027	.0011	2.949
LEXINGTON																	
182300001A01	77*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.001				
182300003A01	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.001				
LOUISVILLE																	
182380002A01	77	26	LD	LD	LD	.002	.002	.003	.004	.004	.006	.006	.006	.0021	.0017	.0015	2.410
182380035A01	79*	16	LD	NO. OF SAMPLES (9) BELOW MIN. DET. > 50%									.009				
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.003				
	78*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
IBERVILLE PAR																	
191280002A01	77	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
	78	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.006				
NEW ORLEANS																	
192020002A01	77	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.003				
	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.002				
SHREVEPORT																	
192740001A01	78*	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				

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POLLUTANT - 12110 - CADMIUM
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UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.003				
	78	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
	79	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.001				
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.014				
	79	26	LD	LD	.001	.001	.002	.002	.002	.003	.007	.008	.008	.0019	.0019	.0013	2.475
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	LD	LD	LD	.001	.002	.002	.002	.003	.004	.010	.010	.0018	.0021	.0011	2.514
	79*	20	LD	LD	LD	LD	.002	.002	.003	.004	.005	.006	.006	.0017	.0017	.0010	3.047
CAMBRIDGE																	
220360001A01	78	28	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.003				
	79*	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.011				
FALL RIVER																	
220580001A01	78	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.006				
	79*	15	LD	LD	LD	.001	.002	.002	.002	.005	.005	.009	.009	.0020	.0024	.0012	3.056
NEW BEDFORD																	
221500002A01	78	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.003				
	79	27	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.002				
SPRINGFIELD																	
222160002A01	78	29	LD	LD	LD	.001	.002	.002	.003	.003	.008	.009	.009	.0021	.0023	.0012	2.794
	79*	23	LD	LD	LD	.001	.001	.001	.002	.004	.006	.007	.007	.0016	.0019	.0009	2.851
WORCHESTER																	
222640004A01	77	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
	78	29	LD	LD	LD	.001	.001	.001	.002	.002	.004	.004	.004	.0012	.0011	.0000	2.111
	79	27	LD	LD	LD	.001	.001	.001	.002	.002	.003	.003	.003	.0012	.0009	.0009	2.344
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	LD	LD	LD	.002	.002	.003	.003	.004	.006	.008	.008	.0024	.0020	.0016	2.481

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
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UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.002				
	78*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.002				
GRAND RAPIDS																	
231820001A01	77*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.014				
LANSING																	
232840001A01	77*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.002				
	78*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
SAGINAW																	
234760001A01	77	25	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.005				
	78*	22	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.003				
TRENTON																	
235120004A01	77*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.005				
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
241040017A01	78*	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.012				
	79*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.012				
MINNEAPOLIS																	
242260027A01	77	24	LD	LD	LD	LD	.001	.003	.004	.008	.013	.031	.031	.0037	.0067	.0015	3.403
	78	28	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.031				
ST PAUL																	
243300031A01	77*	24	LD	LD	LD	.001	.002	.003	.007	.009	.038	.038	.038	.0056	.0104	.0019	3.956
	78*	17	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.019				
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
	78	31	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.017				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
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UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
ST LOUIS																	
264280001A01	77	27	LD	LD	.005	.007	.008	.010	.012	.015	.028	.043	.043	.0094	.0091	.0058	3.223
MONTANA																	
HELENA																	
270720001A01	77*	20	LD	LD	LD	.009	.011	.024	.027	.046	.066	.118	.118	.0200	.0290	.0060	6.361
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.001				
	78	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
OMAHA																	
281880034A01	77*	17	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.009				
	78*	15	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.034				
	79	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.026				
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.003				
	78*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.002				
	79*	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
RENO																	
290480001A01	77*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.008				
	78	26	LD	LD	LD	.001	.001	.002	.002	.002	.004	.004	.004	.0013	.0010	.0010	2.091
	79	30	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.002				
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.009				
	79*	15	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.002				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0011; 1978 .0009; 1979 .0007
95% CONF. PRECISION (%): 1977 +-24.0; 1978 +-22.0; 1979 +-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	LD	LD	.002	.003	.004	.005	.005	.006	.008	.031	.031	.0044	.0054	.0030	2.449
	78	23	LD	LD	.001	.003	.004	.004	.005	.007	.008	.009	.009	.0034	.0027	.0022	2.050
CAMDEN																	
310720001A01	77*	21	LD	LD	.001	.003	.004	.004	.005	.006	.007	.009	.009	.0032	.0024	.0024	2.430
	78	28	LD	LD	.002	.003	.004	.006	.009	.011	.012	.038	.038	.0056	.0073	.0032	3.155
CAMDEN CO																	
310740003A01	77*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.004				
	78*	23	LD	LD	LD	.001	.001	.002	.003	.004	.006	.009	.009	.0020	.0021	.0012	2.709
ELIZABETH																	
311300002A01	78	29	LD	LD	LD	.002	.003	.003	.004	.009	.012	.019	.019	.0032	.0044	.0015	3.477
	79*	22	LD	LD	.002	.003	.003	.004	.008	.013	.020	.053	.053	.0066	.0114	.0029	3.646
GLASSBORO																	
311700001A01	77*	21	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.007				
	78	27	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.010				
	79*	22	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
JERSEY CITY																	
312320001A01	77*	23	LD	LD	.002	.003	.004	.004	.006	.008	.008	.009	.009	.0039	.0026	.0029	2.360
	78*	23	LD	LD	LD	.002	.003	.004	.006	.009	.010	.012	.012	.0033	.0035	.0017	3.568
	79*	17	LD	LD	.001	.002	.002	.004	.005	.005	.006	.009	.009	.0026	.0024	.0016	2.931
NEWARK																	
313480001A01	77*	21	LD	LD	.002	.003	.004	.004	.005	.007	.007	.011	.011	.0036	.0026	.0027	2.307
	78	26	LD	LD	LD	.002	.003	.004	.005	.006	.012	.016	.016	.0032	.0038	.0017	3.432
	79	26	LD	LD	.001	.002	.003	.004	.007	.009	.010	.057	.057	.0054	.0110	.0021	3.938
PATERSON																	
314140001A01	77*	16	LD	LD	.002	.003	.003	.004	.004	.004	.005	.009	.009	.0032	.0021	.0024	2.334
314140005A01	78*	17	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.002				
	79*	19	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.007				
PERTH AMBOY																	
314220001A01	77	27	LD	LD	.002	.002	.003	.003	.004	.006	.012	.021	.021	.0036	.0043	.0024	2.463
	78	28	LD	LD	LD	.002	.002	.003	.003	.005	.012	.023	.023	.0030	.0046	.0015	3.092
TRENTON																	
315400001A01	77*	19	LD	LD	.002	.003	.003	.004	.004	.004	.006	.009	.009	.0032	.0018	.0027	1.990
	78	31	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.014				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
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U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	LD	LD	LD	.001	.001	.002	.002	.006	.007	.008	.008	.0021	.0023	.0012	2.890
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
	78*	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.003				
NEW YORK																	
ALBANY																	
330040001A01	79*	16	LD	LD	LD	.001	.001	.001	.002	.002	.002	.003	.003	.0012	.0009	.0008	2.361
BUFFALO																	
330660001A01	79*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.003				
NIAGARA FALLS																	
334740001A01	79	30	LD	LD	LD	LD	.001	.001	.001	.002	.002	.003	.003	.0009	.0006	.0000	2.055
ROCHESTER																	
335760001A01	79*	19	LD	LD	LD	.001	.001	.001	.001	.002	.002	.004	.004	.0011	.0009	.0008	2.191
SYRACUSE																	
336620001A01	79*	27	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.005				
UTICA																	
336880001A01	79	28	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
YONKERS																	
337620001A01	79*	21	LD	LD	LD	.002	.003	.004	.005	.006	.006	.017	.017	.0031	.0038	.0016	3.502
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.002				
	78	30	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.003				
	79	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.003				
DURHAM																	
341160001A01	78*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.002				
	79	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.005				
341160006A01	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.001				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.082				
	78*	25	LD	LD	LD	.001	.001	.002	.003	.004	.005	.009	.009	.0019	.0020	.0012	2.692
MOREHEAD CITY																	
342720002A01	78	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.003				
	79*	26	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
WINSTON-SALEM																	
344460002A01	77	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.004				
	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.002				
	79	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
OHIO																	
AKRON																	
360060014A01	77	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.020				
	78	26	LD	LD	.001	.002	.002	.002	.003	.003	.004	.004	.004	.0018	.0011	.0015	2.093
	79	25	LD	LD	.001	.002	.002	.002	.003	.005	.005	.009	.009	.0022	.0019	.0016	2.474
CANTON																	
361000001A01	77*	27	LD	LD	LD	.002	.002	.002	.004	.005	.006	.007	.007	.0023	.0020	.0016	2.451
	78*	25	LD	LD	.001	.002	.002	.004	.005	.006	.008	.010	.010	.0029	.0025	.0020	2.611
	79	27	LD	LD	LD	.001	.002	.002	.002	.003	.017	.178	.178	.0086	.0341	.0012	4.503
CINCINNATI																	
361220001A01	77	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.007				
	78	30	LD	LD	LD	.001	.001	.002	.002	.002	.003	.003	.003	.0012	.0007	.0010	1.937
	79	28	LD	LD	.001	.002	.002	.003	.004	.005	.008	.052	.052	.0042	.0095	.0018	3.323
361220019A01	78*	18	LD	LD	LD	.001	.002	.002	.002	.003	.003	.004	.004	.0015	.0011	.0011	2.308
	79*	17	LD	.001	.002	.002	.002	.003	.004	.004	.004	.009	.009	.0026	.0020	.0021	2.048
CLEVELAND																	
361300001A01	77*	19	LD	.001	.003	.004	.004	.004	.005	.008	.013	.021	.021	.0052	.0047	.0039	2.182
	78	26	LD	.001	.003	.004	.004	.004	.005	.006	.010	.023	.023	.0046	.0044	.0035	2.144
	79*	25	LD	LD	.001	.002	.002	.003	.004	.006	.009	.010	.010	.0026	.0026	.0015	2.972
COLUMBUS																	
361460001A01	77	25	LD	LD	.001	.002	.003	.003	.004	.011	.012	.012	.012	.0033	.0034	.0021	2.783
	78*	26	LD	.001	.002	.004	.005	.006	.010	.021	.032	.078	.078	.0100	.0164	.0047	3.266
	79*	24	LD	LD	LD	.001	.002	.002	.003	.007	.014	.016	.016	.0029	.0041	.0015	3.213

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	LD	LD	.002	.002	.002	.003	.004	.006	.008	.011	.011	.0029	.0026	.0021	2.297
	78	26	LD	LD	.001	.002	.002	.002	.003	.004	.005	.007	.007	.0020	.0015	.0015	2.234
MANSFIELD																	
363840008A01	77*	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.007				
	78	29	LD	LD	LD	.001	.002	.002	.003	.003	.004	.007	.007	.0018	.0016	.0012	2.560
	79	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
PORTSMOUTH																	
365620002A01	77	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.003				
	78	27	LD	LD	LD	.001	.002	.002	.002	.003	.005	.005	.005	.0017	.0014	.0012	2.279
	79	28	LD	LD	LD	LD	.001	.002	.002	.003	.005	.006	.006	.0014	.0016	.0009	2.766
STEUBENVILLE																	
366420012A01	77*	21	LD	LD	LD	.002	.003	.006	.007	.010	.016	.049	.049	.0058	.0107	.0021	4.036
	78	24	LD	LD	.002	.004	.004	.006	.007	.010	.013	.028	.028	.0054	.0059	.0032	3.070
	79	28	LD	LD	LD	.001	.002	.005	.006	.009	.027	.033	.033	.0047	.0078	.0017	4.335
TOLEDO																	
366600001A01	77*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.014				
366600006A01	78*	20	LD	LD	.002	.002	.003	.003	.004	.004	.005	.005	.005	.0026	.0013	.0022	1.952
	79	29	LD	LD	LD	.001	.001	.002	.002	.003	.005	.006	.006	.0016	.0014	.0011	2.485
YOUNGSTOWN																	
367760001A01	77	26	LD	LD	.002	.003	.004	.004	.008	.009	.010	.023	.023	.0045	.0048	.0028	2.742
	78	27	.001	.001	.003	.003	.003	.004	.007	.009	.011	.013	.013	.0043	.0031	.0035	1.878
	79	26	LD	.001	.002	.002	.003	.003	.004	.006	.007	.008	.008	.0031	.0021	.0024	2.248
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.003				
TULSA																	
373000110A01	77	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.002				
	78*	21	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.002				
OREGON																	
PORTLAND																	
381460001A01	77	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.009				
	78*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.028				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	LD	LD	.002	.003	.005	.006	.009	.012	.013	.013	.013	.0052	.0042	.0034	2.747
	78*	19	.001	.002	.003	.008	.009	.024	.037	.075	.163	.196	.196	.0339	.0560	.0099	5.141
ALTOONA																	
390140001A01	77*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.004				
BETHLEHEM																	
390780002A01	77	25	LD	LD	.001	.003	.003	.005	.011	.022	.025	.043	.043	.0071	.0103	.0029	4.045
	78*	24	LD	LD	.002	.004	.011	.021	.032	.050	.053	.068	.068	.0168	.0201	.0063	5.114
ERIE																	
393060002A01	77	25	LD	LD	LD	.001	.003	.004	.006	.011	.011	.012	.012	.0033	.0038	.0017	3.341
HARRISBURG																	
393880361A01	77	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.005				
	78	26	LD	LD	LD	LD	.001	.002	.002	.003	.007	.021	.021	.0022	.0040	.0011	2.873
HAZLETON																	
393960001A01	77	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.012				
	78	28	LD	LD	LD	.001	.002	.002	.002	.014	.028	.109	.109	.0078	.0212	.0016	4.671
JOHNSTOWN																	
394460803A01	77*	22	LD	LD	.003	.004	.005	.008	.013	.016	.029	.032	.032	.0080	.0087	.0047	2.968
LANCASTER CITY																	
394660002A01	77*	19	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.005				
PHILADELPHIA																	
397140004A01	77	28	LD	LD	.002	.004	.004	.006	.006	.006	.007	.008	.008	.0039	.0021	.0031	2.123
PITTSBURGH																	
397260001A01	77*	20	.002	.002	.003	.004	.005	.006	.013	.022	.031	.046	.046	.0092	.0113	.0059	2.415
READING																	
397620001A01	77	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.013				
	78	29	LD	LD	LD	.001	.001	.002	.003	.006	.013	.030	.030	.0031	.0060	.0012	3.370
SCRANTON																	
398040001A01	77	28	LD	LD	.001	.003	.004	.005	.007	.008	.008	.016	.016	.0040	.0036	.0026	2.888
WARMINSTER																	
399160002A01	77*	23	.001	.001	.002	.003	.004	.005	.005	.012	.012	.012	.012	.0048	.0036	.0037	2.013

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POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	LD	LD	LD	.001	.002	.003	.004	.006	.009	.015	.015	.0027	.0031	.0016	2.066
WILKES-BARRE																	
399430001A01	77	30	LD	LD	LD	.002	.002	.003	.007	.007	.013	.020	.020	.0036	.0043	.0020	3.038
YORK																	
399560322A01	77	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.006				
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.001				
	78	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.001				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GUAYNABO CO																	
401140001A01	77	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.003				
	78*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.001				
	79*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.002				
PONCE																	
401920002A01	77*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
	78	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.001				
	79	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
SABANA SECA																	
402065001A01	77*	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
SAN JUAN CO																	
402160001A01	77*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
	78*	16	LD	LD	LD	LD	.001	.001	.001	.001	.001	.002	.002	.0000	.0004	.0000	1.707
402160003A01	79	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.002				
TOA BAJA CO																	
402320002A01	78*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.001				
	79	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.004				
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	28	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
	78*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.004				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	LD	LD	LD	.001	.002	.002	.003	.004	.005	.009	.009	.0019	.0021	.0011	3.004
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.003				
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.004				
440380020A01	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.004				
	79	30	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.004				
KNOXVILLE																	
441740002A01	77*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
441740003A01	78	29	LD	LD	.001	.001	.001	.002	.002	.003	.003	.005	.005	.0015	.0011	.0012	2.032
MEMPHIS																	
442340001A01	77*	15	.002	.003	.003	.005	.006	.006	.006	.011	.011	.028	.028	.0065	.0064	.0050	1.919
	78*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.001				
442340013A01	79*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.002				
NASHVILLE																	
442540001A01	77*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.007				
TEXAS																	
AMARILLO																	
450070002A01	77*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.002				
AUSTIN																	
450220010A01	77*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
	78	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	28	.002	.002	.003	.004	.004	.005	.005	.007	.009	.009	.009	.0043	.0020	.0039	1.599
	78	25	.002	.002	.003	.004	.005	.005	.006	.009	.013	.018	.018	.0052	.0036	.0044	1.734
CORPUS CHRISTI																	
451150001A01	77	26	LD	LD	.002	.003	.004	.004	.006	.007	.012	.014	.014	.0041	.0035	.0028	2.651
	78	26	LD	LD	LD	.002	.003	.004	.007	.012	.055	.067	.067	.0076	.0162	.0022	4.454
DALLAS																	
451310002A01	77*	21	LD	NO. OF SAMPLES (16) BELOW MIN. UET. > 50%									.004				
EL PASO																	
451700002A01	78*	17	LD	LD	.002	.015	.015	.029	.054	.082	.145	.174	.174	.0357	.0521	.0095	7.304
FORT WORTH																	
451080001A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
HOUSTON																	
452560001A01	77*	15	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
	78	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.003				
LUBBOCK																	
453340001A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.002				
	78	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
PASADENA																	
454060002A01	77*	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
	78*	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
SAN ANTONIO																	
454570034A01	77*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
	78	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
WICHITA FALLS																	
455560002A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.002				
UTAH																	
OGDEN																	
460680001A01	77*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.021				
	78	29	LD	LD	LD	.001	.001	.001	.002	.002	.003	.003	.003	.0011	.0008	.0009	1.960

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.006				
	78*	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
VERMONT																	
BURLINGTON																	
470140003A01	77	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.001				
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.002				
	78	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.002				
FAIRFAX CO																	
481060001A01	77*	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
HAMPTON																	
481440001A01	77	30	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
LYNCHBURG																	
481840002A01	77	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.013				
	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.021				
NORFOLK																	
482140001A01	77	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.002				
	78	29	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.006				
	79	29	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
PORTSMOUTH																	
482440001A01	77	30	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
	78*	25	LD	LD	.001	.001	.002	.002	.002	.003	.003	.004	.004	.0015	.0009	.0013	1.950
RICHMOND																	
482660002A01	77	30	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.003				
ROANOKE																	
482700003A01	77	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.003				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.350				
	78	30	LD	LD	LD	.001	.001	.002	.002	.003	.004	.004	.004	.0014	.0010	.0011	2.151
SPOKANE																	
492040001A01	77*	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
	78	27	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
	79*	25	LD	LD	LD	.001	.001	.002	.002	.003	.005	.008	.008	.0016	.0018	.0009	2.746
TACOMA																	
492140001A01	77	28	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.019				
	78	30	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.010				
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.004				
	78*	23	LD	LD	LD	.001	.001	.002	.002	.003	.006	.007	.007	.0016	.0018	.0010	2.517
SOUTH CHARLEST																	
501760001A01	77	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.015				
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
	78	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.002				
	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.002				
KENOSHA																	
511540001A01	77*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.009				
511540003A01	78	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.010				
	79	27	LD	LD	LD	.001	.001	.001	.002	.003	.005	.006	.006	.0014	.0015	.0009	2.638
MADISON																	
511860001A01	77	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.002				
	78	29	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.002				
	79*	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
MILWAUKEE																	
512200099A01	77	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.008				
	78	25	LD	LD	LD	.001	.001	.002	.003	.005	.005	.007	.007	.0019	.0019	.0012	2.624
	79	29	LD	LD	LD	.001	.002	.002	.003	.004	.004	.005	.005	.0016	.0014	.0011	2.635

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.005				
	78	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.003				
	79	29	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.016				
SUPERIOR																	
513480001A01	77	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.002				
	78	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.001				
513480006A01	79	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.002				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.007				
DELAWARE																	
KENT CO																	
080060001A03	77	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
	78	30	LD	LD	LD	.001	.001	.002	.003	.003	.004	.011	.011	.0017	.0020	.0011	2.357
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.002				
INDIANA																	
MONROE CO																	
152800001A03	77*	18	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.005				
	78*	20	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.002				
	79	28	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.010				
PARKE CO																	
153260001A03	77*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.003				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.002				
	78*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.006				
	79	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.002				
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.002				
ROSEBUD CO																	
271360026A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.002				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.001				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.003				
	78*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	79*	16	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.031				
NEW YORK																	
JEFFERSON CO																	
333340001A03	79*	19	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.002				
OREGON																	
CURRY CO																	
380440001A03	77	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.002				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.002				
PENNSYLVANIA																	
CLARION CO																	
391760001A03	77*	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.007				
	78	30	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.003				
RHODE ISLAND																	
WASHINGTON CO																	
410380002A03	77*	19	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
	78*	17	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.002				
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A03	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.002				
TENNESSEE																	
CUMBEPLAND CO																	
440680001A03	77	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.009				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12110 - CADMIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0011	+-24.0
1978	.0009	+-22.0
1979	.0007	+-106.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
TOM GREEN CO																	
455200001A03	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.009				
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
	79*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.001				
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.003				
	78*	18	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.004				
	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.002				
WYTHE CO																	
483440001A03	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.003				
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.004				
	78*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.002				
510780002A03	79*	22	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.001				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	.035	.043	.064	.076	.081	.090	.098	.108	.127	.156	.156	.0787	.0282	.0739	1.443
	78*	20	.085	.105	.133	.151	.164	.176	.189	.253	.277	.318	.318	.1700	.0605	.1609	1.398
GADSDEN																	
011480001A01	77	25	.027	.036	.048	.050	.052	.066	.078	.093	.104	.111	.111	.0590	.0221	.0555	1.422
	78*	17	.047	.060	.081	.121	.123	.225	.315	.331	.444	1.870	1.870	.2652	.4292	.1535	2.527
HUNTSVILLE																	
011860001A01	77	26	.022	.033	.064	.077	.085	.089	.104	.133	.154	.196	.196	.0828	.0400	.0738	1.665
	78*	15	.021	.043	.067	.093	.099	.111	.120	.209	.209	.237	.237	.1049	.0617	.0887	1.068
MOBILE																	
012380001A01	77*	19	.053	.092	.140	.160	.167	.184	.189	.242	.250	.351	.351	.1695	.0659	.1574	1.507
MONTGOMERY																	
012460001A01	77*	20	.021	.024	.030	.042	.047	.049	.061	.079	.089	.097	.097	.0473	.0212	.0433	1.528
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	.172	.205	.245	.258	.304	.367	.723	.790	.979	1.362	1.362	.4415	.3326	.3602	1.846
	78*	17	.083	.105	.150	.300	.336	.377	.564	.572	.613	.695	.695	.3219	.1946	.2645	1.965
	79*	15	.070	.103	.160	.212	.237	.369	.401	.676	.676	.789	.789	.2947	.2099	.2300	1.961
FAIRBANKS																	
020160001A01	77*	25	.089	.132	.177	.208	.229	.281	.297	.526	.543	.955	.955	.2666	.1814	.2297	1.603
020160016A01	78*	24	.020	.026	.066	.121	.136	.250	.278	.324	.367	.441	.441	.1651	.1237	.1185	2.451
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	.134	.155	.212	.291	.310	.343	.366	.424	.517	.540	.540	.2907	.1086	.2715	1.466
	78	24	.065	.082	.129	.173	.222	.259	.331	.417	.626	.647	.647	.2423	.1567	.2022	1.846
	79	27	.103	.157	.229	.319	.336	.439	.492	.542	.720	.812	.812	.3626	.1839	.3200	1.681
PHOENIX																	
030600002A01	77*	20	.052	.057	.079	.102	.110	.126	.138	.145	.179	.223	.223	.1083	.0440	.1005	1.486
	78*	22	.049	.056	.070	.090	.117	.127	.131	.154	.155	.202	.202	.1026	.0412	.0949	1.500
	79*	20	.053	.080	.119	.135	.152	.160	.183	.230	.237	.344	.344	.1543	.0658	.1421	1.525
TUCSON																	
030860001A01	77	30	.044	.051	.069	.080	.086	.093	.103	.148	.546	.910	.910	.1320	.1776	.0935	1.962

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	.114	.184	.227	.282	.305	.329	.356	.427	.429	.538	.538	.2947	.0972	.2791	1.413
	79	26	.022	.028	.058	.112	.119	.123	.131	.150	.178	.185	.185	.0981	.0479	.0837	1.882
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	.011	.018	.040	.044	.045	.054	.071	.086	.123	.155	.155	.0557	.0344	.0472	1.826
TEXARKANA																	
042560001A01	78*	16	.005	.011	.054	.100	.126	.128	.143	.166	.182	.215	.215	.0995	.0622	.0710	2.846
WEST MEMPHIS																	
042740004A01	78*	17	.052	.059	.098	.150	.171	.221	.472	1.356	1.409	2.091	2.091	.4128	.6013	.2004	3.107
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	.052	.064	.084	.114	.129	.142	.185	.226	.265	.279	.279	.1325	.0631	.1194	1.591
	78*	24	.039	.052	.073	.086	.090	.103	.107	.117	.120	.128	.128	.0866	.0238	.0832	1.354
	79*	20	.095	.096	.126	.144	.160	.177	.182	.203	.216	.234	.234	.1535	.0405	.1484	1.306
BERKELEY																	
050740001A01	77	30	.034	.041	.053	.057	.063	.068	.075	.086	.095	.151	.151	.0645	.0222	.0616	1.345
	78*	24	.023	.026	.036	.051	.052	.059	.061	.069	.082	.102	.102	.0510	.0188	.0478	1.456
	79*	20	.017	.021	.041	.053	.057	.062	.065	.071	.072	.077	.077	.0506	.0176	.0470	1.526
BURBANK																	
050900002A01	77	30	.129	.161	.181	.217	.223	.234	.250	.277	.351	.351	.351	.2182	.0532	.2123	1.267
FRESNO																	
052800002A01	77	30	.042	.043	.055	.069	.073	.074	.080	.089	.112	.123	.123	.0696	.0199	.0670	1.321
	78*	24	.037	.040	.067	.074	.075	.087	.098	.114	.198	.200	.200	.0854	.0404	.0785	1.497
	79*	20	.034	.042	.072	.108	.128	.152	.156	.179	.185	.246	.246	.1142	.0576	.0995	1.754
LONG BEACH																	
054100001A01	77	27	.066	.072	.090	.102	.108	.112	.114	.127	.141	.197	.197	.1041	.0268	.1011	1.272
LOS ANGELES																	
054180001A01	77	30	.086	.102	.119	.124	.135	.147	.169	.203	.204	.221	.221	.1410	.0377	.1365	1.292
	78*	20	.153	.204	.241	.264	.268	.284	.291	.320	.364	.469	.469	.2726	.0637	.2662	1.249
	79*	19	.062	.069	.080	.105	.107	.139	.246	.325	.332	.487	.487	.1622	.1181	.1322	1.870

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

YEAR	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	.052	.058	.074	.088	.092	.099	.103	.123	.154	.196	.196	.0913	.0308	.0872	1.353
ONTARIO																	
055380001A01	77	30	.060	.064	.088	.112	.119	.122	.135	.148	.165	.169	.169	.1100	.0302	.1059	1.331
	78*	24	.039	.062	.087	.111	.115	.128	.130	.160	.172	.176	.176	.1110	.0357	.1048	1.436
	79*	21	.026	.044	.049	.055	.058	.069	.078	.087	.108	.209	.209	.0665	.0373	.0604	1.512
PASADENA																	
055760002A01	77	29	.134	.180	.201	.234	.244	.254	.281	.304	.307	.359	.359	.2385	.0511	.2332	1.244
SACRAMENTO																	
056580001A01	77	30	.067	.077	.085	.117	.128	.148	.177	.197	.256	.278	.278	.1300	.0553	.1201	1.485
	78*	24	.020	.068	.105	.123	.135	.147	.179	.213	.240	.261	.261	.1364	.0544	.1237	1.666
	79*	21	.030	.049	.098	.177	.216	.230	.258	.307	.358	.433	.433	.1849	.1091	.1498	2.063
SAN BERNARDINO																	
056680001A01	77	29	.139	.175	.210	.260	.275	.280	.311	.354	.621	.737	.737	.2786	.1276	.2587	1.447
	78*	24	.043	.048	.055	.065	.071	.185	.217	.299	.310	.781	.781	.1459	.1614	.1010	2.237
	79*	20	.043	.043	.061	.099	.109	.119	.125	.143	.144	.156	.156	.0936	.0372	.0861	1.543
SAN DIEGO																	
056800004A01	77	30	.077	.096	.109	.124	.136	.150	.219	.305	.419	.467	.467	.1700	.0993	.1504	1.598
	78*	24	.092	.113	.145	.158	.161	.177	.185	.195	.239	.524	.524	.1737	.0806	.1635	1.374
	79*	20	.087	.098	.126	.173	.191	.206	.225	.274	.286	.288	.288	.1806	.0615	.1704	1.427
SAN FRANCISCO																	
056860001A01	77	30	.055	.061	.084	.094	.100	.111	.118	.136	.142	.251	.251	.1022	.0364	.0974	1.360
SAN JOSE																	
056980004A01	77	30	.053	.057	.062	.072	.074	.079	.086	.096	.110	.133	.133	.0752	.0179	.0734	1.242
	78*	24	.048	.049	.059	.067	.067	.069	.076	.087	.091	.116	.116	.0679	.0157	.0664	1.240
	79*	20	.047	.047	.055	.062	.065	.066	.070	.074	.080	.082	.082	.0626	.0099	.0619	1.173
SANTA ANA																	
057180001A01	77	29	.049	.062	.073	.085	.089	.092	.097	.104	.115	.120	.120	.0846	.0175	.0828	1.239
	78*	20	.059	.067	.083	.096	.103	.105	.113	.123	.127	.137	.137	.0962	.0217	.0938	1.262
	79*	20	.057	.067	.078	.082	.090	.093	.102	.127	.133	.163	.163	.0912	.0252	.0883	1.285
TORRANCE																	
058260001A01	77	29	.084	.101	.117	.137	.155	.161	.193	.242	.298	.304	.304	.1556	.0583	.1468	1.401

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	.199	.234	.275	.304	.399	.533	.558	.622	.685	.794	.794	.4250	.1673	.3955	1.479
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	.035	.057	.102	.139	.185	.240	.384	.437	.893	1.505	1.505	.2622	.3109	.1697	2.442
	79	27	.020	.036	.067	.123	.148	.173	.224	.238	.275	.634	.634	.1469	.1241	.1089	2.265
HARTFORD																	
070420002A01	77*	16	.023	.025	.046	.051	.054	.054	.056	.060	.061	.065	.065	.0482	.0124	.0463	1.364
	78*	21	.018	.030	.039	.070	.087	.111	.128	.498	.550	1.448	1.448	.1931	.3282	.0905	3.067
NEW HAVEN																	
070700001A01	77*	15	.075	.078	.096	.110	.128	.131	.136	.145	.145	.218	.218	.1181	.0362	.1136	1.327
070700123A01	79	27	LD	.023	.032	.048	.050	.061	.105	.151	.165	.228	.228	.0680	.0557	.0493	2.465
WATERBURY																	
071240123A01	77*	26	.039	.059	.072	.106	.110	.120	.124	.136	.175	.192	.192	.1026	.0373	.0956	1.494
	78	31	.027	.043	.096	.128	.149	.184	.212	.276	.337	.440	.440	.1581	.1005	.1307	1.919
	79	27	.013	.032	.066	.091	.098	.135	.174	.211	.230	.240	.240	.1101	.0673	.0879	2.119
DELAWARE																	
NEWARK																	
080140001A01	77	29	.059	.068	.104	.135	.150	.156	.179	.189	.214	.222	.222	.1340	.0462	.1257	1.454
WILMINGTON																	
080260002A01	77	27	.041	.077	.087	.116	.127	.154	.158	.164	.211	.226	.226	.1243	.0445	.1164	1.462
FLORIDA																	
DAVIE																	
100910002A01	79	29	.137	.213	.342	.453	.479	.517	.579	.643	.738	.768	.768	.4424	.1693	.4072	1.549
JACKSONVILLE																	
101960002A01	77	28	.052	.060	.064	.073	.076	.092	.105	.112	.132	.132	.132	.0826	.0238	.0796	1.318
101960049A01	78*	23	.051	.052	.199	.237	.238	.290	.315	.607	1.050	1.405	1.405	.3134	.3184	.2212	2.317
	79	26	.009	.071	.270	.543	.632	.693	1.019	1.139	1.230	1.425	1.425	.5726	.4147	.3626	3.401
MIAMI																	
102700002A01	77*	20	.038	.040	.056	.073	.079	.093	.105	.140	.183	.213	.213	.0878	.0462	.0786	1.598

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	.024	.028	.042	.057	.062	.068	.072	.083	.092	.095	.095	.0569	.0213	.0527	1.513
	78*	23	.022	.024	.075	.093	.118	.137	.150	.155	.164	.169	.169	.1026	.0449	.0904	1.769
	79*	22	.009	.036	.056	.072	.079	.087	.119	.126	.130	.296	.296	.0830	.0581	.0687	1.982
GEORGIA																	
ATLANTA																	
110200001A01	77	27	.040	.047	.062	.067	.079	.085	.104	.117	.165	.169	.169	.0807	.0335	.0752	1.454
	78*	24	.027	.028	.045	.054	.059	.065	.068	.081	.118	.123	.123	.0591	.0224	.0555	1.427
COLUMBUS																	
111280001A01	77	28	.028	.036	.044	.048	.049	.052	.056	.059	.067	.085	.085	.0496	.0108	.0486	1.236
SAVANNAH																	
114500001A01	77*	18	.041	.052	.061	.096	.131	.225	.296	.367	.511	1.455	1.455	.2311	.3329	.1354	2.609
HAWAII																	
HONOLULU																	
120120001A01	77	30	.033	.041	.070	.082	.088	.090	.105	.112	.129	.150	.150	.0834	.0266	.0789	1.426
	79	29	.052	.082	.090	.190	.216	.231	.315	.344	.413	.421	.421	.1928	.1158	.1603	1.876
IDAHO																	
BOISE CITY																	
130220001A01	77	28	.197	.361	.477	.575	.669	.718	.809	1.032	1.110	1.158	1.158	.6472	.2475	.6009	1.499
	78	26	.151	.200	.264	.350	.368	.390	.469	.472	.532	.545	.545	.3409	.1158	.3211	1.436
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	.055	.056	.146	.313	.356	.407	.444	.482	.487	.581	.581	.2926	.1656	.2375	2.085
CHICAGO																	
141220001A01	77*	18	.053	.055	.064	.082	.100	.112	.118	.154	.175	.228	.228	.0993	.0469	.0909	1.518
MOLINE																	
145120001A01	77*	23	.023	.038	.049	.069	.077	.125	.160	.174	.177	.235	.235	.0947	.0612	.0776	1.908
NORTH CHICAGO																	
145620002A01	77*	23	.051	.058	.089	.139	.172	.200	.214	.313	.352	.549	.549	.1732	.1174	.1434	1.858

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	.021	.027	.042	.064	.070	.071	.099	.103	.109	.131	.131	.0654	.0294	.0590	1.614
ROCK ISLAND																	
146700001A01	77*	21	.019	.047	.063	.082	.091	.098	.110	.148	.174	.251	.251	.0922	.0508	.0804	1.752
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	.105	.120	.203	.259	.296	.336	.372	.461	.543	.635	.635	.2933	.1367	.2639	1.614
	78*	18	.064	.064	.127	.149	.164	.212	.222	.244	.279	.390	.390	.1729	.0804	.1564	1.599
EVANSVILLE																	
151300001A01	77*	18	.038	.056	.116	.188	.200	.257	.266	.333	.412	.548	.548	.2120	.1294	.1739	2.002
151300006A01	78*	23	.033	.036	.046	.060	.060	.072	.097	.123	.132	.154	.154	.0689	.0337	.0623	1.560
	79*	21	.017	.027	.039	.050	.052	.054	.076	.084	.090	.104	.104	.0537	.0225	.0492	1.550
FORT WAYNE																	
151380003A01	77*	23	.024	.033	.095	.147	.213	.217	.234	.246	.246	.317	.317	.1508	.0812	.1337	1.948
	78	25	.012	.025	.053	.066	.072	.160	.181	.206	.248	.289	.289	.1040	.0784	.0774	2.266
GARY																	
151520001A01	77*	26	.024	.038	.054	.087	.092	.094	.110	.114	.123	.145	.145	.0805	.0315	.0736	1.505
	78*	25	.019	.028	.048	.061	.074	.095	.099	.124	.202	.293	.293	.0776	.0598	.0630	1.893
	79*	21	.010	.012	.023	.027	.037	.055	.092	.145	.146	.454	.454	.0656	.0976	.0384	2.575
HAMMOND																	
151780001A01	78*	24	.076	.114	.200	.250	.270	.344	.370	.460	.582	.596	.596	.2872	.1391	.2558	1.674
	79*	23	.038	.039	.083	.127	.139	.155	.162	.261	.267	.470	.470	.1442	.0968	.1198	1.867
151780002A01	77*	20	.073	.079	.104	.127	.134	.174	.243	.291	.300	.393	.393	.1667	.0909	.1471	1.648
INDIANAPOLIS																	
150040002A01	77	27	.041	.063	.107	.129	.145	.157	.176	.188	.214	.247	.247	.1345	.0497	.1248	1.526
	78*	19	.024	.026	.041	.056	.066	.069	.077	.103	.122	.164	.164	.0640	.0358	.0560	1.693
	79*	19	.032	.042	.056	.084	.089	.105	.116	.141	.146	.233	.233	.0927	.0487	.0821	1.657
NEW ALBANY																	
152980002A01	77*	24	.035	.036	.056	.061	.073	.089	.097	.107	.115	.117	.117	.0714	.0260	.0668	1.458
	78*	22	.026	.031	.073	.123	.143	.164	.190	.209	.230	.237	.237	.1292	.0645	.1098	1.899
SOUTH BEND																	
153880002A01	77*	27	.055	.078	.098	.132	.144	.160	.199	.213	.219	.265	.265	.1418	.0548	.1316	1.496
	78*	23	.068	.123	.254	.325	.341	.353	.370	.476	.500	.551	.551	.3159	.1134	.2912	1.579

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	.031	.034	.074	.114	.169	.195	.229	.292	.368	.426	.426	.1577	.1111	.1222	2.147
TERRE HAUTE																	
154080001A01	77*	26	.088	.120	.161	.190	.206	.223	.234	.268	.302	.333	.333	.1968	.0605	.1873	1.391
	78	24	.072	.095	.111	.164	.189	.246	.249	.285	.329	.469	.469	.1902	.0927	.1711	1.597
	79*	20	.008	.010	.032	.051	.068	.120	.191	.305	.367	.380	.380	.1128	.1203	.0628	3.248
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	.019	.020	.038	.064	.071	.105	.130	.213	1.067	2.579	2.579	.2202	.5439	.0787	3.178
DAVENPORT																	
161060001A01	77*	26	.039	.076	.105	.110	.115	.119	.138	.164	.185	.192	.192	.1179	.0339	.1127	1.378
	78	28	LD	.035	.051	.090	.102	.124	.151	.167	.174	.178	.178	.0958	.0516	.0750	2.547
	79*	22	.036	.047	.062	.087	.113	.141	.175	.225	.227	.243	.243	.1151	.0644	.0988	1.776
DES MOINES																	
161180001A01	78*	23	.088	.093	.131	.163	.200	.214	.223	.292	.507	.600	.600	.2025	.1248	.1777	1.634
	79*	23	.027	.032	.063	.090	.101	.106	.115	.137	.139	.149	.149	.0878	.0376	.0787	1.661
DUBUQUE																	
161260002A01	77*	21	.047	.057	.111	.147	.182	.192	.207	.255	.262	.294	.294	.1531	.0719	.1359	1.686
161260008A01	77*	21	.032	.053	.067	.105	.132	.197	.202	.220	.275	.366	.366	.1362	.0860	.1129	1.890
	78*	22	.040	.044	.072	.094	.101	.118	.151	.170	.187	.190	.190	.1044	.0463	.0946	1.591
WATERLOO																	
163760004A01	77	26	.045	.070	.110	.126	.134	.147	.178	.188	.221	.289	.289	.1366	.0520	.1272	1.406
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	.073	.084	.159	.212	.230	.277	.338	.360	.380	.681	.681	.2358	.1290	.2063	1.705
171800012A01	77	27	.027	.037	.067	.092	.109	.119	.133	.151	.164	.222	.222	.0978	.0469	.0864	1.703
171800015A01	77	30	.083	.089	.119	.146	.166	.177	.195	.278	.307	.330	.330	.1627	.0674	.1510	1.472
	78	28	.055	.066	.104	.124	.131	.156	.179	.198	.232	.388	.388	.1380	.0666	.1258	1.540
TOPEKA																	
173560001A01	77*	24	.108	.117	.154	.183	.195	.215	.242	.314	.347	.355	.355	.2027	.0704	.1920	1.395
	78	26	.010	.017	.031	.044	.047	.051	.056	.065	.071	.072	.072	.0424	.0178	.0381	1.668

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	.061	.080	.090	.130	.233	.252	.366	.474	.474	.575	.575	.2193	.1606	.1720	2.052
	78*	25	.005	.007	.012	.017	.019	.020	.022	.028	.029	.030	.030	.0171	.0075	.0153	1.666
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	.041	.056	.082	.103	.110	.112	.128	.164	.235	.409	.409	.1199	.0750	.1062	1.595
	78*	19	.036	.043	.169	.186	.196	.204	.318	.460	.464	.847	.847	.2512	.1884	.1956	2.151
BOWLING GREEN																	
180320001A01	77	25	.030	.031	.039	.050	.052	.061	.070	.084	.093	.164	.164	.0565	.0293	.0513	1.529
COVINGTON																	
180800001A01	77	28	.021	.029	.053	.078	.083	.091	.095	.117	.149	.156	.156	.0770	.0340	.0687	1.672
	78*	18	.067	.078	.129	.250	.284	.354	.359	.404	.421	.552	.552	.2564	.1408	.2165	1.879
	79	30	.074	.094	.157	.192	.212	.221	.280	.302	.352	.356	.356	.2040	.0796	.1881	1.528
LEXINGTON																	
182300001A01	77*	23	.022	.045	.071	.105	.122	.128	.146	.182	.207	.218	.218	.1100	.0540	.0959	1.773
182300003A01	79	29	.038	.051	.104	.149	.166	.177	.207	.312	.367	.415	.415	.1684	.0955	.1436	1.812
LOUISVILLE																	
182380002A01	77	26	.033	.039	.047	.056	.059	.066	.072	.081	.085	.090	.090	.0587	.0157	.0567	1.311
182380035A01	79*	16	.025	.030	.044	.061	.070	.088	.108	.118	.198	.276	.276	.0859	.0664	.0694	1.911
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	.019	.026	.035	.044	.055	.055	.062	.067	.074	.076	.076	.0478	.0164	.0448	1.474
	78*	24	.024	.063	.080	.102	.120	.143	.160	.179	.192	.220	.220	.1166	.0489	.1055	1.631
IBERVILLE PAR																	
191280002A01	77	24	.011	.025	.034	.042	.048	.055	.075	.087	.088	.089	.089	.0501	.0223	.0450	1.644
	78	28	.037	.058	.081	.107	.117	.130	.133	.186	.210	.285	.285	.1161	.0545	.1049	1.593
NEW ORLEANS																	
192020002A01	77	26	.029	.067	.091	.138	.179	.188	.234	.263	.393	.417	.417	.1686	.0997	.1413	1.882
	78*	24	.053	.080	.127	.172	.173	.207	.211	.248	.268	.271	.271	.1698	.0592	.1583	1.501
SHREVEPORT																	
192740001A01	78*	24	.017	.032	.045	.058	.064	.071	.074	.079	.106	.118	.118	.0601	.0233	.0556	1.527

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	.035	.050	.079	.134	.165	.174	.187	.191	.220	.257	.257	.1349	.0627	.1174	1.709
	78	27	.033	.065	.088	.112	.112	.127	.135	.145	.165	.186	.186	.1084	.0354	.1017	1.401
	79	23	.010	.012	.038	.060	.067	.072	.074	.150	.153	.200	.200	.0660	.0468	.0522	2.085
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	.045	.065	.092	.123	.140	.172	.191	.235	.307	.416	.416	.1484	.0845	.1290	1.708
	79	26	.093	.125	.163	.211	.245	.281	.337	.377	.510	.554	.554	.2465	.1199	.2218	1.594
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	.013	.024	.030	.045	.062	.071	.105	.113	.139	.362	.362	.0706	.0689	.0532	2.064
	79*	20	.009	.011	.025	.049	.053	.054	.061	.073	.077	.082	.082	.0445	.0227	.0371	1.996
CAMBRIDGE																	
220360001A01	78	28	.005	.015	.019	.043	.047	.058	.061	.076	.096	.149	.149	.0453	.0308	.0360	2.079
	79*	21	LD	.008	.017	.030	.034	.038	.040	.051	.057	.058	.058	.0302	.0153	.0249	2.119
FALL RIVER																	
220580001A01	78	29	.008	.026	.040	.062	.076	.080	.091	.108	.206	.239	.239	.0708	.0512	.0555	2.147
	79*	15	.010	.012	.020	.033	.033	.035	.036	.042	.042	.066	.066	.0306	.0144	.0272	1.708
NEW BEDFORD																	
221500002A01	78	26	.006	.010	.021	.026	.027	.030	.076	.148	.282	.367	.367	.0637	.0942	.0322	2.947
	79	27	.010	.011	.018	.023	.025	.027	.030	.038	.039	.054	.054	.0240	.0102	.0220	1.543
SPRINGFIELD																	
222160002A01	78	29	.017	.026	.033	.044	.047	.055	.086	.107	.129	.172	.172	.0582	.0373	.0493	1.773
	79*	23	LD	.007	.023	.032	.035	.039	.047	.065	.069	.103	.103	.0362	.0228	.0287	2.231
WORCHESTER																	
222640004A01	77	23	.042	.059	.086	.114	.148	.196	.298	.465	.486	.538	.538	.1939	.1528	.1475	2.111
	78	29	.016	.021	.030	.059	.066	.073	.113	.220	.575	1.165	1.165	.1340	.2357	.0664	2.838
	79	27	LD	LD	.016	.027	.030	.035	.040	.042	.064	.076	.076	.0275	.0175	.0205	2.525
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	.103	.154	.249	.373	.385	.397	.405	.578	.666	.674	.674	.3551	.1551	.3211	1.614

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)

1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	.141	.196	.240	.273	.307	.327	.415	.446	.466	.556	.556	.3090	.1110	.2914	1.426
	78*	22	.078	.083	.289	.388	.420	.490	.571	.681	.796	.941	.941	.4232	.2173	.3614	1.883
GRAND RAPIDS																	
231820001A01	77*	22	.080	.127	.233	.360	.452	.492	.643	.842	.858	.932	.932	.4298	.2568	.3536	1.961
LANSING																	
232840001A01	77*	22	.063	.079	.119	.276	.410	.441	.582	.597	.640	.652	.652	.3271	.2168	.2474	2.268
	78*	23	.086	.086	.191	.225	.237	.250	.268	.328	.386	.442	.442	.2284	.0846	.2126	1.496
SAGINAW																	
234760001A01	77	25	.117	.148	.162	.279	.315	.337	.408	.436	.485	.651	.651	.2860	.1347	.2572	1.607
	78*	22	.272	.292	.362	.424	.444	.505	.586	.607	.612	.623	.623	.4450	.1124	.4315	1.291
TRENTON																	
235120004A01	77*	21	.066	.066	.088	.265	.270	.274	.294	.353	.360	.434	.434	.2110	.1178	.1748	1.949
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	.030	.049	.069	.093	.116	.191	.248	.352	.384	.389	.389	.1513	.1158	.1141	2.165
241040017A01	78*	24	.014	.015	.033	.045	.061	.108	.118	.182	.207	.216	.216	.0784	.0638	.0566	2.317
	79*	21	.007	.025	.033	.049	.063	.083	.122	.206	.272	.353	.353	.0863	.0886	.0582	2.466
MINNEAPOLIS																	
242260027A01	77	24	.059	.071	.084	.112	.119	.129	.133	.145	.148	.153	.153	.1103	.0273	.1068	1.306
	78	28	.036	.065	.084	.097	.105	.116	.120	.146	.168	.309	.309	.1079	.0508	.0994	1.496
ST PAUL																	
243300031A01	77*	24	.040	.045	.079	.105	.123	.155	.172	.201	.202	.254	.254	.1219	.0564	.1092	1.637
	78*	17	.021	.022	.062	.101	.104	.133	.155	.171	.248	.327	.327	.1138	.0819	.0858	2.315
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	.042	.053	.095	.106	.114	.128	.140	.154	.171	.257	.257	.1123	.0472	.1038	1.558
	78	31	.044	.059	.203	.282	.301	.329	.347	.387	.414	.430	.430	.2561	.1159	.2166	1.974

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-16.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	.020	.023	.033	.064	.092	.124	.167	.331	.471	.680	.680	.1350	.1606	.0786	2.803
ST LOUIS																	
264280001A01	77	27	.078	.109	.166	.218	.227	.257	.300	.335	.505	.556	.556	.2338	.1160	.2091	1.627
MONTANA																	
HELENA																	
270720001A01	77*	20	.045	.064	.084	.128	.136	.160	.195	.208	.240	.251	.251	.1380	.0605	.1251	1.599
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	.045	.063	.139	.167	.217	.248	.273	.335	.401	.657	.657	.2072	.1299	.1722	1.904
	78	25	.023	.046	.062	.074	.086	.112	.138	.212	.285	.323	.323	.1026	.0737	.0847	1.842
OMAHA																	
281880034A01	77*	17	.057	.058	.096	.116	.116	.135	.147	.153	.160	.174	.174	.1146	.0359	.1088	1.413
	78*	15	.037	.052	.068	.095	.116	.141	.146	.242	.242	.636	.636	.1401	.1471	.1054	2.017
	79	29	LD	.023	.036	.052	.065	.069	.086	.105	.111	.111	.111	.0574	.0309	.0456	2.344
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	.037	.051	.075	.088	.092	.098	.104	.163	.210	.264	.264	.1001	.0532	.0899	1.572
	78*	21	.032	.038	.046	.061	.064	.119	.128	.161	.162	.174	.174	.0836	.0494	.0711	1.781
	79*	25	.014	.034	.048	.062	.064	.083	.097	.164	.182	.333	.333	.0814	.0657	.0656	1.907
RENO																	
290480001A01	77*	23	.047	.053	.068	.084	.090	.099	.120	.134	.160	.221	.221	.0941	.0408	.0871	1.476
	78	26	.032	.046	.056	.073	.096	.099	.107	.110	.128	.144	.144	.0810	.0298	.0756	1.477
	79	30	.010	.024	.056	.080	.085	.090	.098	.114	.134	.308	.308	.0827	.0525	.0700	1.860
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	.119	.190	.342	.452	.529	.588	.616	.817	.890	1.991	1.991	.5609	.4135	.4627	1.881
	79*	15	.111	.123	.145	.227	.231	.297	.309	.455	.455	.606	.606	.2495	.1413	.2190	1.674

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	.106	.118	.178	.240	.245	.256	.280	.311	.445	.643	.643	.2427	.1080	.2235	1.503
	78	23	.110	.111	.138	.195	.202	.230	.269	.371	.373	.447	.447	.2103	.0956	.1923	1.527
CAMDEN																	
310720001A01	77*	21	.088	.100	.175	.462	.483	.899	1.060	1.465	2.161	2.859	2.859	.6939	.7453	.4073	2.945
	78	28	.143	.157	.218	.266	.297	.333	.367	.391	.448	.670	.670	.2920	.1120	.2741	1.429
CAMDEN CO																	
310740003A01	77*	24	.012	.013	.018	.025	.027	.035	.041	.053	.055	.059	.059	.0299	.0141	.0269	1.590
	78*	23	.011	.013	.050	.060	.070	.075	.080	.095	.124	.195	.195	.0669	.0373	.0574	1.844
ELIZABETH																	
311300002A01	78	29	.146	.162	.242	.282	.300	.397	.424	.505	.538	.650	.650	.3227	.1310	.2983	1.501
	79*	22	.120	.126	.192	.221	.288	.296	.323	.382	.436	.453	.453	.2580	.0930	.2424	1.440
GLASSBORO																	
311700001A01	77*	21	.032	.051	.104	.151	.187	.221	.237	.306	.309	.438	.438	.1728	.1027	.1427	1.961
	78	27	.075	.103	.204	.307	.320	.436	.405	.540	.595	.700	.700	.3493	.1594	.3067	1.767
	79*	22	.109	.121	.202	.267	.311	.329	.362	.448	.452	.496	.496	.2783	.1127	.2550	1.557
JERSEY CITY																	
312320001A01	77*	23	.038	.134	.223	.286	.306	.321	.351	.418	.434	.453	.453	.2839	.0975	.2596	1.668
	78*	23	.094	.127	.221	.295	.317	.377	.428	.456	.461	.475	.475	.3072	.1146	.2832	1.552
	79*	17	.091	.101	.130	.201	.201	.236	.308	.323	.357	.379	.379	.2081	.0908	.1897	1.566
NEWARK																	
313480001A01	77*	21	.056	.062	.101	.175	.184	.206	.254	.317	.352	.401	.401	.1776	.0972	.1535	1.758
	78	26	.020	.057	.122	.165	.202	.214	.245	.255	.431	.480	.480	.1847	.1087	.1522	2.007
	79	26	.030	.036	.047	.071	.083	.096	.114	.134	.200	.299	.299	.0881	.0606	.0737	1.801
PATERSON																	
314140001A01	77*	16	.077	.123	.139	.164	.168	.178	.184	.189	.206	.242	.242	.1613	.0382	.1566	1.299
314140005A01	78*	17	.020	.021	.033	.060	.061	.072	.078	.082	.085	.098	.098	.0555	.0244	.0498	1.656
	79*	19	.018	.020	.027	.040	.041	.050	.055	.081	.083	.144	.144	.0473	.0304	.0405	1.739
PERTH AMBOY																	
314220001A01	77	27	.089	.116	.124	.146	.158	.165	.184	.219	.445	.672	.672	.1811	.1206	.1609	1.545
	78	28	.075	.101	.134	.199	.248	.256	.291	.431	.466	.570	.570	.2331	.1262	.2039	1.696
TRENTON																	
315400001A01	77*	19	.061	.066	.155	.186	.198	.231	.267	.421	.447	.458	.458	.2163	.1209	.1860	1.787
	78	31	.024	.031	.086	.125	.139	.182	.249	.274	.289	.409	.409	.1514	.0966	.1222	2.025

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)
1977 .0053 +-18.0
1978 .0031 +-16.0
1979 .0047 +-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	.015	.060	.084	.135	.143	.155	.213	.256	.313	.325	.325	.1445	.0864	.1182	2.046
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	.044	.052	.109	.145	.170	.178	.194	.236	.240	.250	.250	.1436	.0615	.1285	1.675
	78*	22	.053	.073	.104	.128	.134	.148	.164	.202	.212	.306	.306	.1344	.0574	.1238	1.513
NEW YORK																	
ALBANY																	
330040001A01	79*	16	.048	.053	.054	.067	.073	.080	.093	.096	.134	.138	.138	.0775	.0273	.0736	1.379
BUFFALO																	
330660001A01	79*	19	.017	.018	.034	.038	.040	.050	.061	.064	.083	.085	.085	.0447	.0193	.0409	1.556
NIAGARA FALLS																	
334740001A01	79	30	.023	.028	.044	.065	.066	.075	.081	.085	.112	.118	.118	.0632	.0253	.0580	1.554
ROCHESTER																	
335760001A01	79*	19	.035	.039	.049	.061	.069	.081	.085	.091	.094	.095	.095	.0648	.0203	.0616	1.389
SYRACUSE																	
336620001A01	79*	27	.038	.036	.047	.051	.054	.056	.066	.071	.079	.085	.085	.0540	.0141	.0523	1.295
UTICA																	
336880001A01	79	28	.032	.036	.058	.076	.088	.089	.094	.100	.111	.114	.114	.0748	.0241	.0704	1.454
YONKERS																	
337620001A01	79*	21	.031	.054	.083	.113	.122	.123	.135	.142	.190	.203	.203	.1091	.0419	.1007	1.541
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	.048	.074	.118	.151	.157	.204	.236	.263	.339	.383	.383	.1682	.0835	.1490	1.671
	78	30	.043	.051	.072	.094	.097	.110	.111	.130	.148	.162	.162	.0922	.0302	.0872	1.412
	79	29	.025	.039	.063	.077	.078	.093	.104	.117	.131	.161	.161	.0800	.0315	.0737	1.533
DURHAM																	
341160001A01	78*	23	.051	.051	.069	.274	.303	.358	.409	.536	.541	.560	.560	.2527	.1869	.1755	2.570
	79	28	.019	.020	.042	.064	.072	.099	.106	.206	.218	.329	.329	.0873	.0764	.0637	2.224
341160006A01	77	27	.035	.048	.077	.122	.125	.147	.248	.264	.389	.403	.403	.1500	.1013	.1222	1.922

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	.049	.050	.070	.090	.107	.110	.116	.130	.157	.178	.178	.0962	.0339	.0906	1.432
	78*	25	.019	.062	.116	.134	.149	.184	.218	.272	.274	.543	.543	.1599	.1032	.1335	1.912
MOREHEAD CITY																	
342720002A01	78	28	.023	.039	.044	.081	.062	.072	.074	.082	.139	.173	.173	.0636	.0314	.0581	1.518
	79*	26	.013	.044	.069	.098	.114	.132	.173	.223	.256	.274	.274	.1183	.0718	.0963	2.038
WINSTON-SALEM																	
344460002A01	77	29	.031	.048	.069	.097	.122	.124	.141	.167	.181	.184	.184	.1050	.0460	.0946	1.620
	78	29	.017	.018	.114	.145	.150	.166	.182	.194	.224	.243	.243	.1285	.0658	.1021	2.261
	79	25	.026	.047	.072	.115	.120	.137	.138	.172	.234	.255	.255	.1087	.0577	.0936	1.808
OHIO																	
AKRON																	
360060014A01	77	26	.063	.093	.158	.205	.356	.376	.476	.560	.669	.807	.807	.3039	.2043	.2430	2.086
	78	26	.084	.131	.207	.290	.327	.347	.391	.455	.497	.552	.552	.2950	.1244	.2674	1.607
	79	25	.034	.053	.180	.250	.284	.311	.339	.538	.614	.658	.658	.2686	.1710	.2094	2.223
CANTON																	
361000001A01	77*	27	.056	.067	.112	.132	.138	.200	.217	.309	.339	.341	.341	.1648	.0870	.1444	1.690
	78*	25	.028	.041	.063	.089	.098	.108	.119	.157	.161	.162	.162	.0921	.0403	.0831	1.617
	79	27	.008	.017	.026	.047	.074	.097	.125	.186	.202	.204	.204	.0765	.0620	.0538	2.465
CINCINNATI																	
361220001A01	77	29	.317	.393	.563	.853	.934	1.104	1.232	1.388	1.498	1.539	1.539	.8735	.3847	.7859	1.622
	78	30	.212	.302	.359	.450	.525	.607	.655	.790	1.076	1.315	1.315	.5351	.2576	.4869	1.536
	79	28	.213	.436	.572	.655	.780	.805	.825	.885	1.048	1.059	1.059	.6951	.1951	.6636	1.394
361220019A01	78*	18	.225	.288	.312	.409	.507	.557	.597	.797	.826	.975	.975	.4953	.2089	.4576	1.502
	79*	17	.226	.334	.444	.522	.524	.569	.638	.707	.708	.775	.775	.5196	.1441	.4985	1.363
CLEVELAND																	
361300001A01	77*	19	.214	.244	.337	.397	.405	.471	.523	.574	.597	.659	.659	.4136	.1249	.3952	1.370
	78	26	.060	.133	.158	.190	.207	.217	.269	.323	.375	.441	.441	.2097	.0861	.1938	1.513
	79*	25	.019	.039	.065	.145	.178	.352	.400	.675	.839	.932	.932	.2488	.2662	.1415	3.065
COLUMBUS																	
361460001A01	77	25	.247	.277	.346	.415	.417	.501	.570	.774	.774	.828	.828	.4568	.1656	.4309	1.410
	78*	26	.196	.248	.455	.670	.787	.836	.905	.925	1.303	1.312	1.312	.6732	.3086	.5961	1.707
	79*	24	.033	.043	.119	.198	.209	.233	.267	.342	.361	.574	.574	.2015	.1214	.1657	1.992

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	.087	.118	.270	.473	.540	.639	.737	.778	.841	1.039	1.039	.4794	.2696	.3883	2.072
	78	26	.138	.198	.290	.341	.391	.403	.529	.569	.749	.779	.779	.3812	.1673	.3476	1.560
MANSFIELD																	
363840008A01	77*	25	.041	.044	.067	.084	.086	.099	.112	.140	.152	.178	.178	.0882	.0352	.0819	1.482
	78	29	.019	.039	.091	.129	.136	.149	.160	.179	.201	.220	.220	.1187	.0545	.1030	1.831
	79	29	.034	.038	.062	.082	.091	.115	.139	.183	.274	.401	.401	.1089	.0819	.0885	1.876
PORTSMOUTH																	
365620002A01	77	27	.081	.127	.220	.661	.813	.890	.919	1.031	1.036	1.145	1.145	.6067	.3658	.4562	2.397
	78	27	.016	.102	.159	.429	.486	.532	.588	.691	.719	.782	.782	.3783	.2347	.2828	2.496
	79	28	.058	.136	.182	.402	.507	.617	.701	.780	.952	1.067	1.067	.4514	.2829	.3556	2.139
STEUBENVILLE																	
366420012A01	77*	21	.157	.182	.315	.432	.462	.474	.528	.673	.674	.681	.681	.4100	.1580	.3779	1.542
	78	24	.090	.159	.284	.348	.371	.440	.462	.555	.584	.597	.597	.3675	.1315	.3403	1.544
	79	28	.037	.044	.062	.200	.237	.280	.297	.377	.455	.516	.516	.2060	.1422	.1525	2.352
TOLEDO																	
366600001A01	77*	24	.051	.055	.062	.074	.078	.080	.090	.179	.208	.227	.227	.0980	.0492	.0813	1.525
366600006A01	78*	20	.086	.115	.141	.172	.203	.219	.282	.302	.362	.422	.422	.2056	.0895	.1889	1.521
	79	29	.037	.047	.098	.135	.141	.146	.190	.219	.260	.337	.337	.1388	.0711	.1204	1.770
YOUNGSTOWN																	
367760001A01	77	26	.039	.043	.166	.228	.273	.288	.317	.340	.378	.382	.382	.2163	.1173	.1698	2.265
	78	27	.085	.216	.306	.361	.377	.387	.422	.498	.551	.704	.704	.3643	.1194	.3425	1.475
	79	26	.250	.259	.458	.485	.515	.579	.636	.648	.667	1.627	1.627	.5338	.2565	.4938	1.469
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	.116	.170	.268	.292	.303	.338	.340	.416	.433	.538	.538	.3035	.1004	.2865	1.439
TULSA																	
373000110A01	77	24	.050	.070	.084	.147	.181	.302	.410	.679	.710	1.120	1.120	.2630	.2644	.1771	2.414
	78*	21	.076	.082	.090	.109	.135	.176	.211	.290	.344	.455	.455	.1592	.0999	.1379	1.680
OREGON																	
PORTLAND																	
381460001A01	77	28	.186	.289	.333	.437	.489	.500	.503	.538	.854	1.151	1.151	.4526	.1878	.4234	1.435
	78*	24	.189	.210	.384	.653	.788	.848	.958	1.196	1.257	1.351	1.351	.6965	.3280	.6145	1.717

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	.050	.068	.093	.131	.140	.188	.242	.345	.365	.360	.360	.1675	.1023	.1406	1.825
	78*	19	.052	.068	.106	.135	.155	.168	.174	.191	.191	.201	.201	.1363	.0450	.1281	1.462
ALTOONA																	
390140001A01	77*	22	.045	.045	.058	.069	.076	.081	.090	.095	.096	.120	.120	.0717	.0206	.0689	1.338
BETHLEHEM																	
390780002A01	77	25	.053	.056	.106	.128	.131	.150	.167	.197	.198	.208	.208	.1293	.0456	.1204	1.501
	78*	24	.086	.088	.114	.140	.146	.158	.186	.221	.263	.285	.285	.1534	.0521	.1458	1.379
ERIE																	
393060002A01	77	25	.034	.090	.114	.168	.187	.209	.219	.235	.251	.260	.260	.1630	.0624	.1481	1.639
HARRISBURG																	
393880361A01	77	30	.093	.122	.146	.189	.212	.218	.229	.240	.266	.314	.314	.1856	.0530	.1780	1.349
	78	26	.063	.083	.123	.158	.213	.416	.590	.661	.954	.971	.971	.3172	.2825	.2190	2.396
HAZLETON																	
393960001A01	77	25	.149	.192	.221	.279	.285	.358	.443	.603	.652	.697	.697	.3296	.1568	.2998	1.554
	78	28	.089	.135	.175	.214	.226	.294	.327	.487	.603	.888	.888	.2727	.1747	.2359	1.681
JOHNSTOWN																	
394460803A01	77*	22	.229	.260	.288	.439	.451	.458	.595	.673	1.416	2.449	2.449	.5541	.4898	.4568	1.748
LANCASTER CITY																	
394660002A01	77*	19	.142	.149	.232	.264	.264	.344	.422	.495	.685	3.269	3.269	.4587	.6943	.3146	2.022
PHILADELPHIA																	
397140004A01	77	28	.097	.133	.158	.182	.208	.222	.264	.405	.499	.546	.546	.2279	.1164	.2057	1.556
PITTSBURGH																	
397260001A01	77*	20	.173	.189	.200	.213	.234	.241	.285	.298	.362	.372	.372	.2397	.0574	.2339	1.240
READING																	
397620001A01	77	29	.150	.176	.206	.240	.246	.273	.290	.327	.420	.437	.437	.2511	.0707	.2424	1.305
	78	29	.116	.123	.203	.300	.309	.367	.421	.551	.698	.804	.804	.3253	.1840	.2808	1.730
SCRANTON																	
398040001A01	77	28	.070	.088	.115	.134	.139	.157	.159	.165	.189	.550	.550	.1461	.0840	.1347	1.434
WARMINSTER																	
399160002A01	77*	23	.202	.215	.297	.351	.378	.406	.466	.622	.803	.947	.947	.3978	.1809	.3679	1.471

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	.122	.125	.140	.158	.181	.199	.220	.251	.275	.306	.306	.1796	.0517	.1730	1.315
WILKES-BARRE																	
399430001A01	77	30	.124	.156	.197	.244	.254	.274	.318	.367	.452	.580	.580	.2614	.0996	.2456	1.424
YORK																	
399560322A01	77	30	.102	.124	.148	.173	.185	.233	.264	.286	.299	.302	.302	.1939	.0620	.1846	1.374
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	.047	.056	.071	.081	.090	.097	.100	.134	.194	.203	.203	.0933	.0390	.0873	1.427
	78	28	.033	.056	.067	.083	.097	.107	.118	.134	.143	.161	.161	.0923	.0315	.0869	1.439
	79*	22	.027	.036	.076	.116	.128	.148	.176	.259	.302	.611	.611	.1403	.1266	.1064	2.102
GUAYNABO CO																	
401140001A01	77	28	.058	.071	.096	.124	.140	.150	.181	.304	.495	.541	.541	.1705	.1258	.1404	1.814
	78*	25	.039	.061	.088	.115	.146	.185	.260	.443	.617	.735	.735	.1913	.1792	.1395	2.161
	79*	19	.048	.050	.112	.170	.403	.698	.927	1.128	1.390	1.567	1.567	.5043	.5009	.2801	3.256
PONCE																	
401920002A01	77*	24	.077	.080	.149	.235	.263	.309	.344	.371	.395	.424	.424	.2393	.1043	.2146	1.655
	78	27	.102	.165	.210	.353	.359	.447	.502	.549	.710	1.597	1.597	.3903	.2848	.3281	1.783
	79	22	.064	.079	.124	.162	.187	.191	.243	.265	.307	.314	.314	.1734	.0721	.1586	1.559
SABANA SECA																	
402065001A01	77*	26	.140	.143	.193	.260	.344	.347	.411	.430	.478	.781	.781	.2998	.1475	.2696	1.594
SAN JUAN CO																	
402160001A01	77*	24	.233	.245	.332	.386	.399	.482	.642	.726	.762	.856	.856	.4522	.1791	.4222	1.449
	78*	16	.135	.139	.165	.203	.223	.232	.322	.430	.763	.882	.882	.2895	.2224	.2404	1.771
402160003A01	79	26	.176	.236	.324	.472	.567	.615	.807	.809	1.174	1.193	1.193	.5430	.2824	.4755	1.707
TOA BAJA CO																	
402320002A01	78*	18	.045	.061	.072	.082	.094	.115	.121	.157	.161	1.542	1.542	.1760	.3426	.1055	2.122
	79	27	.044	.062	.084	.111	.153	.398	.455	.494	.774	.801	.801	.2418	.2243	.1617	2.480
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	20	.124	.158	.189	.259	.335	.360	.407	.476	.495	.686	.686	.3075	.1433	.2785	1.579
	78*	19	.076	.131	.182	.228	.248	.280	.303	.330	.336	.619	.619	.2440	.1167	.2215	1.575

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	.039	.048	.084	.215	.245	.272	.301	.386	.502	.530	.530	.2172	.1429	.1652	2.285
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	.053	.058	.067	.074	.075	.092	.110	.128	.187	.206	.206	.0888	.0382	.0830	1.422
	79*	21	.022	.023	.059	.078	.091	.127	.140	.176	.198	.275	.275	.1000	.0642	.0815	1.984
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	.086	.091	.115	.141	.155	.178	.204	.214	.237	.252	.252	.1555	.0502	.1480	1.382
	78*	22	.144	.157	.185	.209	.228	.237	.244	.254	.255	.262	.262	.2102	.0366	.2070	1.200
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	.019	.022	.032	.037	.044	.057	.070	.102	.150	.182	.182	.0558	.0409	.0465	1.785
440380020A01	78	29	.032	.048	.073	.120	.140	.155	.161	.198	.204	.235	.235	.1200	.0564	.1056	1.722
	79	30	.014	.023	.048	.084	.090	.099	.112	.128	.144	.153	.153	.0776	.0409	.0645	1.974
KNOXVILLE																	
441740002A01	77*	22	.057	.068	.101	.160	.400	.456	.595	.606	.717	1.121	1.121	.3334	.2853	.2242	2.585
441740003A01	78	29	.027	.044	.077	.101	.105	.140	.249	.328	.385	.393	.393	.1503	.1142	.1143	2.138
MEMPHIS																	
442340001A01	77*	15	.019	.041	.075	.090	.097	.103	.106	.178	.170	.203	.203	.0960	.0499	.0833	1.806
	78*	19	.065	.089	.114	.145	.147	.172	.195	.208	.209	.212	.212	.1467	.0472	.1389	1.416
442340013A01	79*	17	.035	.045	.146	.187	.246	.295	.440	.569	.655	.687	.687	.2731	.2013	.2057	2.300
NASHVILLE																	
442540001A01	77*	21	.032	.043	.055	.067	.075	.081	.090	.103	.120	.156	.156	.0739	.0285	.0693	1.440
TEXAS																	
AMARILLO																	
450070002A01	77*	21	.320	.373	.527	.608	.719	.781	.851	.982	1.042	1.407	1.407	.6820	.2566	.6399	1.442
	78*	17	.313	.323	.407	.460	.463	.533	.759	.816	.937	2.221	2.221	.6054	.4523	.5237	1.628
AUSTIN																	
450220010A01	77*	17	.079	.099	.224	.252	.267	.295	.504	.513	.519	.641	.641	.3007	.1540	.2638	1.731
	78	22	.002	.090	.181	.227	.244	.257	.333	.434	.473	.576	.576	.2519	.1218	.2261	1.620

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	.000	.013	.015	.018	.019	.021	.022	.024	.028	.037	.037	.0185	.0059	.0177	1.363
	78	25	.013	.016	.024	.027	.030	.035	.037	.043	.046	.049	.049	.0295	.0097	.0279	1.412
CORPUS CHRISTI																	
451150001A01	77	26	LD	LD	.012	.017	.026	.035	.049	.061	.189	.230	.230	.0382	.0541	.0203	3.120
	78	26	LD	LD	.008	.010	.016	.021	.025	.041	.062	.080	.080	.0188	.0203	.0098	3.655
DALLAS																	
451310002A01	77*	21	.006	.092	.141	.179	.225	.262	.268	.274	.281	.302	.302	.1948	.0687	.1822	1.474
EL PASO																	
451700002A01	78*	17	.374	.489	.682	.789	.852	1.000	1.106	1.365	1.450	1.644	1.644	.0740	.3523	.0111	1.492
FORT WORTH																	
451800001A01	77	26	.132	.198	.261	.350	.381	.525	.615	.722	.790	.843	.843	.4138	.2137	.3636	1.689
	78	23	.054	.107	.186	.255	.264	.271	.322	.348	.375	.441	.441	.2402	.0983	.2167	1.656
HOUSTON																	
452560001A01	77*	15	.143	.184	.248	.324	.365	.382	.391	.470	.470	.474	.474	.3156	.1053	.2978	1.439
	78	25	.093	.184	.258	.342	.398	.429	.445	.763	1.039	1.432	1.432	.4181	.2935	.3507	1.795
LUBBOCK																	
453340001A01	77*	21	.034	.061	.107	.125	.159	.169	.195	.247	.269	.295	.295	.1454	.0669	.1303	1.657
	78	25	.081	.088	.125	.150	.161	.202	.263	.284	.293	.303	.303	.1708	.0727	.1567	1.531
PASADENA																	
454060002A01	77*	27	.106	.129	.352	.474	.526	.624	.666	.685	.785	1.017	1.017	.4721	.2256	.4092	1.813
	78*	23	.146	.197	.297	.326	.333	.370	.379	.440	.445	.493	.493	.3281	.0853	.3162	1.336
SAN ANTONIO																	
454570034A01	77*	23	.055	.055	.088	.111	.145	.149	.206	.275	.371	.373	.373	.1512	.0942	.1285	1.769
	78	26	.037	.053	.068	.096	.121	.130	.148	.154	.251	.368	.368	.1154	.0718	.0998	1.713
WICHITA FALLS																	
455560002A01	77	29	.042	.046	.057	.081	.098	.102	.117	.145	.218	.231	.231	.0932	.0494	.0828	1.621
	78	26	.054	.088	.117	.144	.154	.164	.179	.187	.210	.261	.261	.1448	.0445	.1378	1.393
UTAH																	
OGDEN																	
460680001A01	77*	22	.050	.064	.115	.181	.196	.223	.235	.252	.518	1.076	1.076	.2207	.2146	.1712	1.965
	78	29	.069	.087	.113	.130	.141	.152	.168	.174	.258	.261	.261	.1398	.0449	.1335	1.358

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	.043	.055	.097	.135	.142	.191	.264	.325	.617	.848	.848	.2007	.1841	.1532	2.030
	78*	25	.009	.100	.128	.145	.154	.165	.181	.201	.208	.218	.218	.1427	.0467	.1280	1.860
VERMONT																	
BURLINGTON																	
470140003A01	77	26	.038	.050	.076	.153	.170	.200	.211	.256	.367	.493	.493	.1642	.1059	.1339	1.969
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	.067	.108	.135	.157	.161	.168	.178	.218	.264	.322	.322	.1612	.0525	.1535	1.381
	78	27	.012	.116	.160	.178	.181	.199	.240	.247	.276	.492	.492	.1866	.0826	.1649	1.856
FAIRFAX CO																	
481060001A01	77*	27	.038	.050	.058	.069	.073	.076	.082	.102	.125	.159	.159	.0740	.0264	.0783	1.372
HAMPTON																	
481440001A01	77	30	.028	.037	.068	.086	.089	.102	.107	.127	.131	.143	.143	.0827	.0324	.0749	1.645
LYNCHBURG																	
481840002A01	77	30	.082	.093	.136	.157	.171	.183	.227	.256	.496	.537	.537	.1868	.1065	.1669	1.574
	78	29	.042	.073	.102	.288	.329	.379	.406	.476	.642	.785	.785	.2861	.1917	.2190	2.230
NORFOLK																	
482140001A01	77	29	.062	.067	.098	.131	.151	.167	.183	.198	.295	.402	.402	.1453	.0740	.1302	1.604
	78	29	.060	.065	.139	.207	.251	.356	.384	.445	.458	.469	.469	.2407	.1408	.1961	2.000
	79	29	.024	.046	.062	.079	.086	.087	.098	.106	.131	.147	.147	.0788	.0274	.0739	1.464
PORTSMOUTH																	
482440001A01	77	30	.029	.088	.121	.176	.233	.263	.274	.336	.367	.519	.519	.1987	.1127	.1657	1.935
	78*	25	.041	.058	.077	.105	.133	.150	.173	.218	.304	.468	.468	.1330	.0925	.1118	1.783
RICHMOND																	
482660002A01	77	30	.020	.025	.037	.047	.054	.070	.074	.091	.096	.122	.122	.0557	.0262	.0500	1.608
ROANOKE																	
482700003A01	77	29	.036	.091	.157	.236	.279	.300	.348	.513	.539	.711	.711	.2674	.1639	.2189	1.992

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	.168	.289	.343	.433	.461	.532	.638	.763	.765	1.353	1.353	.5012	.2562	.4533	1.553
	78	30	.053	.072	.144	.369	.433	.492	.521	.572	.661	1.140	1.140	.3598	.2406	.2753	2.249
SPOKANE																	
492040001A01	77*	26	.507	.606	.732	.884	1.033	1.051	1.156	1.258	1.385	1.483	1.483	.9343	.2658	.8981	1.335
	78	27	.087	.268	.376	.524	.529	.562	.647	.804	.940	1.196	1.196	.5131	.2380	.4565	1.780
	79*	25	.020	.061	.083	.132	.159	.185	.250	.343	.478	.572	.572	.1737	.1395	.1301	2.213
TACOMA																	
492140001A01	77	28	.334	.385	.516	.626	.780	.823	.855	1.030	1.093	1.144	1.144	.6873	.2355	.6477	1.428
	78	30	.039	.066	.081	.122	.138	.339	.499	.641	.771	1.126	1.126	.2734	.2732	.1749	2.585
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	.162	.188	.264	.301	.328	.354	.382	.387	.409	.522	.522	.3084	.0812	.2977	1.318
	78*	23	.144	.243	.318	.430	.447	.467	.535	.714	1.075	4.625	4.625	.6219	.8933	.4495	1.924
SOUTH CHARLEST																	
501760001A01	77	29	.253	.470	.892	1.558	1.650	1.777	1.929	2.339	2.911	3.296	3.296	1.4538	.7787	1.2193	1.932
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	.017	.021	.071	.100	.131	.134	.153	.159	.195	.199	.199	.1057	.0554	.0870	2.062
	78	25	.016	.034	.079	.104	.105	.117	.124	.168	.175	.242	.242	.1022	.0514	.0878	1.857
	79	29	.027	.040	.070	.089	.099	.120	.146	.199	.282	.321	.321	.1112	.0698	.0941	1.797
KENOSHA																	
511540001A01	77*	23	.010	.027	.072	.089	.097	.108	.132	.172	.317	.463	.463	.1161	.0973	.0898	2.131
511540003A01	78	30	.022	.048	.091	.131	.137	.163	.173	.215	.295	.376	.376	.1351	.0777	.1131	1.912
	79	27	.027	.036	.054	.068	.089	.106	.108	.128	.225	.230	.230	.0867	.0521	.0741	1.767
MADISON																	
511860001A01	77	28	.054	.074	.088	.105	.112	.113	.137	.163	.221	.222	.222	.1132	.0416	.1068	1.413
	78	29	.036	.042	.068	.099	.105	.113	.120	.134	.193	.199	.199	.0978	.0415	.0892	1.571
	79*	26	.021	.031	.056	.090	.124	.128	.143	.172	.207	.212	.212	.1025	.0565	.0854	1.945
MILWAUKEE																	
512200099A01	77	26	.030	.041	.061	.072	.093	.100	.115	.125	.153	.633	.633	.1022	.1129	.0810	1.804
	78	25	.050	.073	.114	.164	.193	.209	.241	.312	.334	.335	.335	.1719	.0852	.1507	1.723
	79	29	.030	.032	.051	.072	.076	.083	.099	.130	.209	.229	.229	.0801	.0475	.0698	1.677

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	.017	.036	.104	.135	.158	.186	.191	.222	.282	.302	.302	.1450	.0711	.1221	1.998
	78	29	.014	.052	.188	.263	.268	.287	.357	.376	.494	.497	.497	.2437	.1279	.1930	2.322
	79	29	.013	.016	.028	.039	.047	.082	.111	.132	.162	.177	.177	.0626	.0490	.0460	2.262
SUPERIOR																	
513480001A01	77	21	.063	.069	.080	.113	.135	.163	.191	.225	.238	.245	.245	.1326	.0598	.1206	1.560
	78	26	.029	.037	.060	.102	.116	.125	.138	.146	.191	.196	.196	.0985	.0403	.0858	1.759
513480006A01	79	28	.015	.025	.054	.112	.143	.158	.178	.225	.315	.329	.329	.1235	.0847	.0932	2.316

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

NONURBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0053; 1978 .0031; 1979 .0047
95% CONF. PRECISION (%): 1977 +-10.0; 1978 +-16.0; 1979 +-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	.048	.052	.072	.091	.096	.113	.143	.171	.193	.533	.533	.1153	.0956	.0972	1.695
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	[illegible]	.034	.042	.141	.170	.176	.235	.239	.311	.336	.391	.391	.1804	.0871	.1644	1.814
DELAWARE																	
KENT CO																	
080060001A03	77	29	.023	.042	.058	.076	.082	.113	.123	.154	.366	.488	.488	.1049	.0862	.0844	1.880
	78	30	.017	.020	.039	.058	.066	.072	.085	.208	.265	2.057	2.057	.1417	.3674	.0650	2.621
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	.087	.108	.123	.181	.225	.254	.305	.354	.428	.522	.522	.2160	.1163	.1914	1.656
HAWAII																	
MAUNA LOA																	
120000001A03	77	27	LD	LD	.041	.052	.055	.060	.068	.081	.090	.096	.096	.0490	.0263	.0358	2.859
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	.225	.228	.367	.451	.566	.604	.688	.773	.884	.985	.985	.5164	.2164	.4728	1.552
	78	29	.153	.179	.265	.312	.333	.349	.374	.440	.519	.599	.599	.3269	.1026	.3118	1.374
INDIANA																	
MONROE CO																	
152800001A03	77*	18	.042	.060	.093	.112	.124	.138	.138	.151	.158	.188	.188	.1135	.0371	.1068	1.461
	78*	20	.030	.048	.220	.258	.273	.303	.329	.407	.608	.735	.735	.2829	.1657	.2315	2.098
	79	28	.014	.017	.035	.044	.058	.074	.086	.105	.184	.320	.320	.0687	.0634	.0517	2.097
PARKE CO																	
153260001A03	77*	22	.032	.037	.066	.068	.075	.085	.109	.122	.376	.404	.404	.1032	.0960	.0824	1.828

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

NONURBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-18.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	.027	.041	.088	.143	.154	.179	.192	.235	.236	.297	.297	.1430	.0699	.1243	1.793
	78*	23	.040	.042	.108	.169	.193	.205	.220	.308	.308	.313	.313	.1669	.0822	.1449	1.792
	79*	19	LD	.019	.077	.099	.103	.117	.130	.205	.250	.252	.252	.1062	.0690	.0763	2.938
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	.082	.107	.156	.214	.240	.273	.291	.420	.585	1.090	1.090	.2634	.2031	.2196	1.778
	78*	23	.027	.063	.144	.295	.359	.578	.717	1.031	1.246	1.366	1.366	.4488	.3968	.2849	2.918
	79	25	.012	.017	.041	.070	.077	.163	.192	.405	.475	4.003	4.003	.2757	.7861	.0874	3.595
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	.029	.035	.043	.065	.088	.121	.201	.243	.267	.377	.377	.1140	.0943	.0848	2.172
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	.048	.051	.096	.107	.117	.150	.167	.257	.267	.348	.348	.1351	.0756	.1104	1.679
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	.044	.050	.061	.068	.069	.076	.091	.111	.158	.233	.233	.0836	.0451	.0761	1.507
ROSEBUD CO																	
271360026A03	77*	24	.011	.011	.026	.031	.032	.036	.041	.047	.047	.048	.048	.0311	.0118	.0288	1.529
	78*	24	.015	.015	.020	.026	.029	.034	.045	.055	.056	.103	.103	.0328	.0197	.0287	1.646
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	.023	.027	.042	.071	.081	.098	.123	.137	.203	.273	.273	.0830	.0584	.0670	1.943
	78*	24	.062	.072	.086	.108	.110	.119	.127	.169	.183	.199	.199	.1132	.0358	.1082	1.354
	79	27	.026	.038	.066	.092	.106	.118	.124	.160	.164	.166	.166	.0953	.0418	.0854	1.670
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	.010	.181	.435	.648	.700	.778	.804	1.008	1.065	1.670	1.670	.6268	.3520	.4723	2.818
	78*	19	.238	.339	.439	.605	.636	.744	.788	.849	1.622	2.104	2.104	.6948	.4571	.5982	1.703

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)
1977 .0053
1978 .0031
1979 .0047

95% CONF. PRECISION (%)
+-18.0
+-16.0
+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	79*	16	.048	.071	.099	.115	.238	.283	.409	.429	.492	.592	.592	.2246	.1739	.1679	2.221
NEW YORK																	
JEFFERSON CO																	
333340001A03	79*	19	LD	.010	.012	.018	.019	.023	.035	.037	.038	.054	.054	.0216	.0133	.0176	2.043
OREGON																	
CURRY CO																	
380440001A03	77	28	.068	.166	.192	.259	.291	.353	.400	.435	.584	.777	.777	.2981	.1503	.2657	1.644
	78*	24	.089	.105	.227	.297	.312	.454	.606	1.350	1.451	1.501	1.501	.4651	.4168	.3403	2.197
PENNSYLVANIA																	
CLARION CO																	
391760001A03	77*	25	.045	.075	.187	.640	.673	.769	.894	1.068	1.112	1.383	1.383	.5403	.3982	.3613	2.826
	78	30	.130	.212	.352	.531	.724	.793	.893	1.061	1.236	1.396	1.396	.6221	.3411	.5228	1.894
RHODE ISLAND																	
WASHINGTON CO																	
410300002A03	77*	19	.090	.120	.158	.182	.185	.198	.230	.277	.290	.459	.459	.2002	.0808	.1877	1.431
	78*	17	.032	.047	.091	.140	.147	.183	.211	.215	.228	.268	.268	.1404	.0675	.1226	1.787
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A03	77*	19	.060	.062	.072	.085	.088	.092	.118	.136	.137	.137	.137	.0910	.0276	.0873	1.338
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A03	77*	24	.022	.039	.086	.116	.124	.145	.157	.187	.188	.241	.241	.1221	.0510	.1093	1.707
	78	27	.042	.046	.057	.066	.068	.070	.074	.084	.112	.128	.128	.0672	.0192	.0649	1.295
TENNESSEE																	
CUMBERLAND CO																	
440680001A03	77	29	.017	.025	.044	.049	.057	.068	.084	.099	.157	.207	.207	.0645	.0418	.0551	1.749

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12114 - COPPER
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0053	+-10.0
1978	.0031	+-16.0
1979	.0047	+-37.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
483530001A03	78*	18	.149	.209	.249	.364	.427	.517	.561	.620	.670	.677	.677	.4128	.1650	.3793	1.551
TOM GREEN CO																	
455200001A03	77	26	.143	.188	.276	.460	.553	.585	.696	.955	1.068	1.583	1.583	.5327	.3468	.4377	1.912
	78*	17	.124	.161	.242	.382	.411	.488	.552	.607	.673	.881	.881	.4010	.2050	.3504	1.745
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	.074	.089	.127	.166	.189	.207	.242	.267	.333	.388	.388	.1855	.0824	.1692	1.557
	79*	18	.007	.007	.023	.117	.146	.223	.247	.297	.322	.328	.328	.1390	.1178	.0775	3.713
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	.133	.143	.181	.224	.228	.249	.259	.285	.306	.410	.410	.2224	.0611	.2147	1.312
	78*	18	LD	LD	.015	.140	.170	.195	.195	.221	.308	.355	.355	.1379	.1057	.0539	7.844
	79	29	LD	LD	LD	.010	.013	.016	.018	.022	.023	.027	.027	.0109	.0081	.0074	2.629
WYTHE CO																	
483440001A03	77	30	.017	.032	.053	.069	.082	.127	.139	.355	.464	.661	.661	.1370	.1506	.0906	2.398
	78*	17	.117	.133	.173	.221	.224	.259	.273	.276	.334	.365	.365	.2216	.0700	.2111	1.386
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	.010	.026	.048	.053	.083	.084	.095	.095	.121	.162	.162	.0682	.0394	.0566	1.993
	78*	16	.019	.028	.100	.180	.213	.215	.234	.281	.306	.321	.321	.1697	.0956	.1332	2.314
510780002A03	79*	22	.073	.077	.154	.171	.183	.210	.293	.301	.316	.333	.333	.1916	.0766	.1766	1.532
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	.046	.086	.120	.195	.210	.243	.249	.314	.340	.490	.490	.2060	.1077	.1795	1.763

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0460; 1978 .0272; 1979 .0452
95% CONF. PRECISION (%): 1977 +-27.0; 1978 +-10.0; 1979 +-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	.34	.59	.94	1.36	1.50	1.67	2.43	2.60	3.09	3.57	3.57	1.541	.888	1.302	1.844
	78*	20	.71	.99	1.34	1.60	1.67	1.95	3.08	4.91	4.95	5.04	5.04	2.287	1.426	1.937	1.784
GADSDEN																	
011480001A01	77	25	.18	.20	.48	.76	1.05	1.21	1.43	1.78	1.95	2.03	2.03	.912	.598	.788	2.168
	78*	17	.35	.43	.61	.82	.92	.94	1.57	1.78	2.20	3.06	3.06	1.063	.708	.903	1.760
HUNTSVILLE																	
011860001A01	77	26	.05	.08	.23	.41	.48	.52	.75	.97	1.75	8.40	8.40	.776	1.600	.386	2.902
	78*	15	.27	.27	.42	.58	.78	.85	.92	.99	.99	1.16	1.16	.664	.288	.602	1.614
MOBILE																	
012300001A01	77*	19	.49	.53	.75	.89	.92	1.11	1.32	1.56	1.71	1.91	1.91	1.009	.401	.939	1.471
MONTGOMERY																	
012460001A01	77*	20	LD	.07	.28	.40	.47	.57	.73	1.08	1.26	1.70	1.70	.531	.423	.368	2.769
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	.25	.39	.70	2.03	3.07	4.26	4.59	6.29	7.18	8.89	8.89	3.088	2.575	1.994	2.919
	78*	17	.23	.29	.81	2.41	2.45	3.12	4.29	4.62	5.61	8.60	8.60	2.637	2.256	1.671	3.028
	79*	15	LD	.09	.44	.66	.80	.89	1.05	2.13	2.13	3.11	3.11	.873	.809	.540	3.396
FAIRBANKS																	
020160001A01	77*	25	.15	.43	.65	1.83	2.85	3.07	3.21	3.94	8.24	9.51	9.51	2.340	2.331	1.462	2.853
020160016A01	78*	24	.18	.21	.49	.96	1.04	1.53	1.85	2.24	4.36	5.10	5.10	1.289	1.226	.885	2.465
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	.29	.38	.61	.81	.93	.96	1.13	1.31	1.40	1.66	1.66	.827	.357	.751	1.593
	78	24	.43	.46	.76	.94	.98	1.28	1.52	2.02	2.03	2.72	2.72	1.122	.591	.991	1.660
	79	27	.35	.61	1.34	1.94	2.21	2.58	3.00	3.04	3.17	3.42	3.42	1.979	.898	1.720	1.820
PHOENIX																	
030600002A01	77*	20	.72	.76	1.15	1.30	1.39	1.44	1.59	1.78	2.09	2.36	2.36	1.348	.425	1.205	1.378
	78*	22	.54	1.11	1.78	2.37	2.40	2.45	2.88	3.28	3.29	4.37	4.37	2.272	.832	2.103	1.547
	79*	20	.17	.22	.86	1.48	1.61	1.93	2.22	2.79	2.87	3.13	3.13	1.505	.920	1.145	2.393
TUCSON																	
030860001A01	77	30	.18	.45	.60	.78	.84	.86	.90	1.34	1.66	2.20	2.20	.840	.407	.757	1.608

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON 030060001A01	78*	24	.12	.41	.66	.84	.96	1.19	1.41	1.61	1.67	1.67	1.67	.975	.430	.868	1.784
	79	26	.10	.14	.38	.88	.99	1.12	1.18	1.23	1.57	1.61	1.61	.811	.460	.625	2.348
ARKANSAS																	
LITTLE ROCK 041440001A01	78	20	.37	.41	.53	.67	.70	.70	.90	.93	.94	1.27	1.27	.682	.223	.650	1.378
TEXARKANA 042560001A01	78*	16	.18	.22	.59	.65	.73	.74	.74	.80	1.06	1.07	1.07	.649	.247	.591	1.637
WEST MEMPHIS 042740004A01	78*	17	.18	.35	.56	.80	.86	.89	1.19	1.28	1.74	2.07	2.07	.878	.488	.755	1.809
CALIFORNIA																	
ANAHEIM 050230001A01	77	30	.48	.90	1.51	1.78	2.31	2.39	2.65	3.28	5.61	7.96	7.96	2.254	1.485	1.918	1.770
	78*	24	.29	.39	.88	1.35	1.44	1.61	1.70	2.09	2.49	2.70	2.70	1.309	.648	1.129	1.825
	79*	20	.19	.51	.86	1.13	1.16	1.26	1.37	1.73	1.84	2.05	2.05	1.122	.461	1.006	1.713
BERKELEY 050740001A01	77	30	.12	.20	.35	.63	.70	.72	.91	1.18	1.31	2.00	2.00	.643	.412	.525	1.960
	78*	24	.12	.19	.42	.55	.73	.94	1.08	1.23	1.37	2.16	2.16	.722	.477	.575	2.074
	79*	20	.13	.15	.24	.32	.37	.38	.46	.52	.79	.85	.85	.362	.192	.321	1.643
BURBANK 050900002A01	77	30	.47	1.51	1.82	2.44	2.57	2.75	2.97	4.04	4.55	5.18	5.18	2.552	1.043	2.328	1.597
FRESNO 052800002A01	77	30	.51	.88	1.43	1.81	2.11	2.33	2.55	2.67	3.09	3.70	3.70	1.903	.778	1.727	1.611
	78*	24	.31	.44	1.11	1.69	2.51	2.86	3.28	4.28	5.54	15.83	15.83	2.675	3.122	1.763	2.530
	79*	20	.16	.32	.82	1.24	1.57	2.01	2.17	2.20	2.35	2.43	2.43	1.378	.757	1.109	2.158
LONG BEACH 054100001A01	77	27	.71	.94	1.05	1.30	1.43	1.80	2.23	2.29	3.33	3.86	3.86	1.584	.773	1.438	1.541
LOS ANGELES 054180001A01	77	30	.72	1.06	1.30	1.81	2.13	2.33	2.58	3.29	3.80	4.39	4.39	2.027	.934	1.838	1.570
	78*	20	.62	.67	.99	1.40	1.63	1.77	2.14	2.28	2.43	2.72	2.72	1.506	.629	1.373	1.581
	79*	19	.33	.56	.81	1.06	1.21	1.46	1.51	1.56	1.62	1.98	1.98	1.124	.436	1.033	1.559

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	.67	.85	1.14	1.44	1.69	1.92	2.12	2.95	3.19	4.24	4.24	1.732	.871	1.547	1.616
ONTARIO																	
055380001A01	77	30	.93	1.05	2.31	3.04	3.32	3.64	4.74	5.34	6.57	6.82	6.82	3.252	1.613	2.835	1.754
	78*	24	.35	.55	1.65	2.78	3.72	4.09	4.43	4.99	5.02	6.71	6.71	3.044	1.640	2.489	2.088
	79*	21	.52	.57	2.26	2.82	3.04	3.24	4.35	4.82	4.93	5.40	5.40	2.853	1.437	2.378	2.023
PASADENA																	
055760002A01	77	29	.25	.41	1.05	1.18	1.22	1.30	1.37	1.58	2.26	2.62	2.62	1.190	.503	1.074	1.651
SACRAMENTO																	
056580001A01	77	30	.37	.42	.74	1.10	1.27	1.49	1.75	2.01	2.16	2.18	2.18	1.169	.580	1.023	1.728
	78*	24	.05	.14	.53	.88	1.06	1.40	1.69	1.86	11.23	15.16	15.16	1.956	3.553	.887	3.402
	79*	21	.12	.21	.33	.75	.97	1.00	1.90	2.52	2.61	2.86	2.86	1.039	.854	.724	2.511
SAN BERNARDINO																	
056680001A01	77	29	.58	.94	1.98	2.71	2.96	3.17	3.68	3.95	4.97	4.99	4.99	2.640	1.213	2.314	1.768
	78*	24	.41	.42	.86	1.71	2.26	2.42	2.92	3.48	3.78	4.39	4.39	1.892	1.179	1.495	2.128
	79*	20	.30	.51	1.34	2.32	2.85	2.98	3.40	3.53	3.65	4.06	4.06	2.285	1.195	1.843	2.170
SAN DIEGO																	
056800004A01	77	30	.50	.60	.77	1.01	1.20	1.46	2.08	2.92	4.21	4.34	4.34	1.519	1.103	1.242	1.849
	78*	24	.67	.68	.96	1.17	1.24	1.41	1.82	2.51	2.52	2.54	2.54	1.372	.587	1.265	1.503
	79*	20	.55	.55	.68	.87	.89	1.05	1.33	1.39	1.86	2.46	2.46	.998	.490	.910	1.523
SAN FRANCISCO																	
056860001A01	77	30	.29	.40	.45	.55	.66	.78	.85	1.11	1.32	1.76	1.76	.686	.337	.622	1.541
SAN JOSE																	
056980004A01	77	30	.58	.64	1.14	1.54	1.72	1.96	2.20	2.48	2.69	3.48	3.48	1.613	.717	1.454	1.615
	78*	24	.22	.42	1.07	1.37	1.56	1.84	1.88	2.33	2.52	2.63	2.63	1.457	.611	1.293	1.760
	79*	20	.48	.65	.79	.97	1.06	1.18	1.36	1.48	2.04	2.90	2.90	1.122	.554	1.025	1.518
SANTA ANA																	
057180001A01	77	29	.51	.60	1.00	1.29	1.36	1.51	1.69	2.09	3.17	5.06	5.06	1.437	.906	1.252	1.669
	78*	20	.26	.30	.77	1.01	1.13	1.35	1.61	1.84	2.07	2.46	2.46	1.124	.616	.951	1.875
	79*	20	.21	.44	.70	.95	.98	1.30	1.39	1.71	1.76	1.78	1.78	1.036	.461	.922	1.713
TORRANCE																	
058260001A01	77	29	.54	.63	.97	1.32	1.59	1.89	2.50	3.02	3.88	4.04	4.04	1.678	1.021	1.416	1.807

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0460; 1978 .0272; 1979 .0452
95% CONF. PRECISION (%): 1977 +-27.0; 1978 +-10.0; 1979 +-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	.87	.89	1.45	1.70	1.85	2.22	2.23	3.34	3.63	3.95	3.95	1.954	.911	1.773	1.573
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	[illegible]	.14	.34	.52	.61	.63	.73	1.00	1.05	1.24	1.69	1.69	.693	.327	.621	1.649
	79	[illegible]	LD	.09	.28	.53	.61	.84	.98	1.08	1.30	2.26	2.26	.619	.495	.419	2.027
HARTFORD																	
070420002A01	77*	[illegible]	.27	.33	.55	.82	1.07	1.24	1.60	1.86	2.22	3.02	3.02	1.139	.751	.929	1.968
	78*	21	.12	.15	.58	.77	.89	1.14	1.19	1.28	1.65	2.00	2.00	.857	.471	.710	2.029
NEW HAVEN																	
070700001A01	77*	15	.51	.76	.99	1.33	1.48	1.59	1.64	1.84	1.84	2.96	2.96	1.356	.591	1.247	1.535
070700123A01	79	27	.11	.18	.74	1.05	1.29	1.59	1.83	2.10	2.58	3.23	3.23	1.246	.792	.944	2.406
WATERBURY																	
071240123A01	77*	26	.59	.83	1.65	2.09	2.29	2.36	2.96	3.36	7.17	7.94	7.94	2.449	1.605	2.059	1.805
	78	31	.20	.60	1.12	1.42	1.52	1.77	1.93	2.15	2.64	5.84	5.84	1.580	1.001	1.345	1.823
	79	27	.14	.31	.66	.85	.97	1.29	1.63	1.92	2.47	3.56	3.56	1.101	.786	.859	2.128
DELAWARE																	
NEWARK																	
080140001A01	77	29	.22	.32	.62	1.14	1.23	1.75	2.72	3.17	3.41	5.32	5.32	1.545	1.234	1.124	2.333
WILMINGTON																	
080260002A01	77	27	.67	.73	1.00	1.18	1.37	1.50	1.75	1.98	2.38	2.45	2.45	1.345	.510	1.256	1.462
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	.05	.08	.13	.14	.15	.25	.39	.91	1.42	1.42	.215	.288	.136	2.417
JACKSONVILLE																	
101960002A01	77	28	.27	.39	.56	.86	.89	.96	1.00	1.31	1.97	3.03	3.03	.923	.548	.810	1.663
101960049A01	78*	23	.17	.17	.26	.39	.44	.47	.51	.66	.75	1.57	1.57	.436	.295	.374	1.710
	79	26	LD	.09	.15	.37	.43	.45	.61	.68	.87	.95	.95	.304	.261	.283	2.478
MIAMI																	
102700002A01	77*	20	.17	.24	.41	.53	.54	.59	.70	.79	.80	2.00	2.00	.572	.385	.492	1.720

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA 104360002A01	77*	26	.08	.22	.41	.69	.85	1.07	1.31	1.49	2.15	3.85	3.85	.936	.807	.679	2.351
	78*	23	.17	.27	.53	.72	.98	1.03	1.06	1.15	1.26	2.41	2.41	.817	.469	.704	1.784
	79*	22	.21	.25	.53	.73	.85	1.03	1.61	1.88	2.49	3.07	3.07	.997	.749	.780	2.055
GEORGIA																	
ATLANTA 110200001A01	77	27	.39	.62	.91	1.19	1.24	1.41	1.73	1.98	2.74	9.62	9.62	1.518	1.698	1.193	1.830
	78*	24	.38	.58	1.03	1.22	1.27	1.46	1.55	2.08	2.08	2.30	2.30	1.295	.457	1.210	1.406
COLUMBUS 111280001A01	77	28	LD	.21	.35	.44	.57	.70	.86	1.17	1.49	1.67	1.67	.618	.414	.465	2.387
SAVANNAH 114500001A01	77*	18	LD	.17	.44	.66	.78	.89	.96	1.35	1.69	5.85	5.85	.990	1.283	.606	3.043
HAWAII																	
HONOLULU 120120001A01	77	30	.06	.11	.24	.30	.34	.44	.63	.66	.91	1.08	1.08	.392	.255	.318	1.979
	79	29	.07	.23	.37	.45	.47	.53	.60	.70	.82	1.00	1.00	.471	.205	.421	1.703
IDAHO																	
BOISE CITY 130220001A01	77	28	.30	.66	.95	1.22	1.32	1.38	1.59	1.78	2.85	3.32	3.32	1.305	.641	1.173	1.616
	78	26	.15	.48	.87	1.03	1.13	1.33	1.59	2.14	2.76	4.91	4.91	1.286	.970	1.012	2.101
ILLINOIS																	
BLUE ISLAND 140500001A01	77*	17	.57	.66	1.03	1.30	1.38	1.91	2.27	2.28	2.48	3.12	3.12	1.506	.728	1.345	1.646
CHICAGO 141220001A01	77*	18	.24	.68	.95	1.41	1.57	1.79	1.81	1.97	2.36	3.34	3.34	1.483	.697	1.307	1.771
MOLINE 145120001A01	77*	23	.32	.39	.70	.93	.93	1.12	1.13	1.51	2.14	3.60	3.60	1.021	.706	.862	1.778
NORTH CHICAGO 145620002A01	77*	23	.30	.31	.47	.61	.87	1.10	1.16	1.40	1.53	2.94	2.94	.872	.505	.735	1.785

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	.56	.64	1.05	1.44	1.57	1.84	2.72	3.63	3.71	6.05	6.05	1.874	1.306	1.545	1.867
ROCK ISLAND																	
146700001A01	77*	21	.52	.54	.70	.95	1.16	1.30	1.64	1.94	2.04	4.03	4.03	1.221	.798	1.054	1.690
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	.63	1.05	3.00	4.22	4.65	5.47	5.75	7.07	7.13	8.61	8.61	4.386	1.950	3.840	1.818
	78*	18	.47	1.85	2.39	3.38	3.67	3.99	4.32	4.56	7.62	15.06	15.06	3.977	3.142	3.211	1.988
EVANSVILLE																	
151300001A01	77*	18	.25	.31	.51	.70	.75	1.02	1.02	1.09	1.25	1.68	1.68	.770	.366	.688	1.655
151300006A01	78*	23	.31	.34	.70	.92	.96	1.02	1.25	1.65	1.70	2.01	2.01	.956	.457	.848	1.680
	79*	21	LD	.22	.36	.45	.54	.65	.75	.81	1.14	1.44	1.44	.545	.323	.435	2.317
FORT WAYNE																	
151380003A01	77*	23	.17	.28	.86	1.21	1.35	1.52	1.80	2.18	3.29	3.40	3.40	1.334	.831	1.076	2.090
	78	25	.19	.60	.99	1.19	1.29	1.35	1.41	1.92	2.36	2.59	2.59	1.209	.547	1.074	1.726
GARY																	
151520001A01	77*	26	.58	1.22	2.14	2.67	3.02	3.11	3.72	3.94	6.91	7.65	7.65	2.917	1.583	2.547	1.734
	78*	25	.48	.86	1.93	2.40	2.77	3.96	4.83	5.95	6.22	22.52	22.52	3.692	4.283	2.599	2.250
	79*	21	.14	.57	1.30	2.03	2.19	2.39	2.77	4.29	5.10	5.11	5.11	2.281	1.383	1.810	2.260
HAMMOND																	
151780001A01	78*	24	.69	.73	1.67	2.30	2.59	2.96	4.17	4.73	5.92	10.36	10.36	3.231	3.489	2.435	2.018
	79*	23	.29	.41	.73	1.42	1.92	2.08	2.72	4.34	4.41	8.36	8.36	2.038	1.847	1.454	2.340
151780002A01	77*	20	.43	.66	1.45	1.90	2.07	2.67	4.19	5.42	5.56	7.64	7.64	2.578	1.922	2.001	2.107
INDIANAPOLIS																	
152040002A01	77	27	.31	.45	.68	.92	1.07	1.26	1.38	1.95	2.38	2.46	2.46	1.079	.612	.928	1.761
	78*	19	.27	.42	.65	.78	.85	.94	.95	1.19	1.32	1.36	1.36	.822	.282	.770	1.476
	79*	19	.25	.25	.41	.65	.67	.73	.92	1.03	1.12	1.37	1.37	.665	.315	.592	1.669
NEW ALBANY																	
152980002A01	77*	24	.37	.39	.60	.86	.92	1.00	1.07	1.24	1.42	1.72	1.72	.855	.342	.789	1.516
	78*	22	.22	.43	.75	.99	1.32	1.39	1.61	1.74	1.82	2.01	2.01	1.114	.498	.987	1.726
SOUTH BEND																	
153080002A01	77*	27	.34	.41	.72	1.21	1.25	1.51	1.87	2.17	2.36	4.43	4.43	1.327	.854	1.106	1.871
	78*	23	.17	.28	.86	1.08	1.11	1.33	1.43	1.84	1.88	2.01	2.01	1.054	.523	.893	1.930

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	.17	.25	.43	.64	.97	.99	1.20	1.49	1.86	2.14	2.14	.839	.542	.683	1.960
TERRE HAUTE																	
154080001A01	77*	26	.33	.45	.72	.94	1.23	1.40	1.50	2.22	2.54	3.07	3.07	1.192	.714	1.008	1.821
	78	24	.46	.60	.83	1.01	1.02	1.13	1.17	1.80	1.90	2.01	2.01	1.070	.413	1.002	1.444
	79*	20	LD	LD	.11	.26	.35	.41	.52	.54	.58	.68	.68	.298	.206	.208	2.778
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	.28	.28	.56	.84	.93	1.32	1.60	1.94	2.30	2.57	2.57	1.027	.677	.826	1.992
DAVENPORT																	
161060001A01	77*	26	.26	.58	.96	1.23	1.29	1.64	2.04	2.48	3.19	3.54	3.54	1.456	.812	1.243	1.826
	78	28	.04	.28	.83	1.04	1.07	1.24	1.53	1.93	2.40	3.69	3.69	1.146	.748	.886	2.376
	79*	22	LD	.18	.60	.70	.87	.89	.96	.99	1.38	2.29	2.29	.772	.460	.606	2.474
DES MOINES																	
161180001A01	78*	23	.48	.49	.70	1.54	1.66	2.01	2.14	2.87	3.18	3.20	3.20	1.570	.888	1.387	1.919
	79*	23	.07	.15	.42	.83	.93	1.10	1.26	1.81	1.86	2.70	2.70	.892	.646	.653	2.461
DUBUQUE																	
161260002A01	77*	21	LD	.08	.36	.48	.53	.63	.66	.84	1.28	1.38	1.38	.524	.326	.408	2.504
161260008A01	77*	21	.16	.19	.35	.59	.76	.91	1.12	1.23	1.30	1.95	1.95	.725	.449	.597	1.953
	78*	22	.11	.17	.33	.52	.59	.69	1.19	1.86	1.96	2.37	2.37	.739	.632	.534	2.316
WATERLOO																	
163760004A01	77	26	.41	.46	.84	.99	1.24	1.46	1.68	2.12	2.75	3.35	3.35	1.247	.768	1.048	1.827
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	.45	.73	1.19	1.72	1.88	2.06	2.32	2.45	3.07	3.20	3.20	1.725	.719	1.556	1.644
171800012A01	77	27	.87	1.15	1.54	1.76	2.07	2.28	3.05	3.48	4.39	5.22	5.22	2.169	1.040	1.972	1.544
171800015A01	77	30	1.17	1.37	1.92	2.37	3.26	3.64	3.96	4.95	5.68	5.85	5.85	2.966	1.380	2.669	1.601
	78	28	.72	1.34	1.61	2.21	2.65	2.83	3.00	4.62	5.83	7.74	7.74	2.658	1.562	2.300	1.727
TOPEKA																	
173560001A01	77*	24	.37	.41	.53	.66	.81	.90	1.05	1.09	1.30	2.87	2.87	.819	.510	.726	1.595
	78	26	.40	.45	.67	.92	1.02	1.09	1.17	1.26	1.69	2.28	2.28	.952	.433	.867	1.554

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POLLUTANT - 12126 - IRON
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UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	.49	.49	.61	.69	.74	.82	.86	.98	.98	1.49	1.49	.745	.255	.712	1.348
	78*	25	.18	.32	.53	.70	.82	.91	1.07	1.17	1.26	1.43	1.43	.750	.330	.669	1.684
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	.38	.88	1.66	2.52	4.78	5.36	6.07	8.49	9.29	9.43	9.43	4.017	2.917	2.936	2.398
	78*	19	.82	1.34	2.97	3.30	3.64	4.28	6.17	6.71	10.30	10.81	10.81	4.202	2.772	3.520	1.939
BOWLING GREEN																	
180320001A01	77	25	LD	.06	.16	.31	.32	.45	.67	.78	.74	.99	.99	.345	.265	.234	2.888
COVINGTON																	
180800001A01	77	28	.24	.56	.71	1.07	1.18	1.46	1.63	2.48	2.90	3.70	3.70	1.311	.852	1.083	1.894
	78*	18	.36	.64	.91	1.17	1.29	2.17	2.20	3.37	5.91	8.04	8.04	2.018	1.982	1.473	2.158
	79	30	.29	.34	.61	1.27	1.78	2.36	3.08	4.05	5.99	6.05	6.05	1.938	1.622	1.358	2.440
LEXINGTON																	
182300001A01	77*	23	.23	.25	.39	.54	.61	.68	.86	1.38	1.47	1.91	1.91	.689	.429	.568	1.756
182300003A01	79	29	.05	.08	.32	.43	.46	.55	.59	.68	.80	.98	.98	.442	.217	.372	1.990
LOUISVILLE																	
182380002A01	77	26	.41	.72	.91	1.44	1.60	1.75	2.16	2.60	4.07	4.10	4.10	1.643	.995	1.403	1.766
182380035A01	79*	16	.13	.26	.45	.59	.77	.87	1.10	1.15	1.16	2.29	2.29	.764	.521	.623	1.984
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	.08	.14	.27	.42	.43	.56	.59	.66	.81	8.36	8.36	.707	1.574	.386	2.308
	78*	24	.13	.21	.36	.48	.51	.59	.60	.74	.77	.99	.99	.502	.194	.461	1.561
IBERVILLE PAR																	
191280002A01	77	24	LD	LD	.06	.19	.24	.37	.47	.60	.93	1.09	1.09	.284	.286	.152	3.654
	78	28	.09	.18	.15	.27	.33	.37	.43	.53	.67	2.81	2.81	.381	.503	.270	2.099
NEW ORLEANS																	
192020002A01	77	26	.17	.37	.56	.61	.71	.75	.87	.95	1.12	1.27	1.27	.669	.255	.617	1.543
	78*	24	.13	.18	.50	.62	.74	.76	.91	1.17	1.17	1.59	1.59	.672	.350	.574	1.854
SHREVEPORT																	
192740001A01	78*	24	.48	.52	.86	.99	1.15	1.37	1.77	2.49	2.54	2.68	2.68	1.294	.691	1.137	1.682

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POLLUTANT - 12126 - IRON
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UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	.08	.26	.50	.70	.91	1.04	1.20	1.54	1.88	3.97	3.97	.917	.772	.694	2.208
	78	27	.14	.22	.49	.70	.77	.98	1.05	1.07	1.33	1.49	1.49	.729	.346	.634	1.801
	79	23	LD	LD	.14	.30	.35	.66	.66	.86	.90	1.13	1.13	.401	.318	.259	3.039
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	.33	.67	.92	1.17	1.25	1.46	1.95	2.10	2.79	3.52	3.52	1.369	.711	1.213	1.658
	79	26	.35	.60	.89	1.19	1.65	1.88	2.20	2.66	3.89	4.99	4.99	1.637	1.135	1.323	1.954
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	.20	.54	.78	1.08	1.20	1.26	1.47	1.64	1.92	2.04	2.04	1.105	.458	.994	1.672
	79*	20	.15	.24	.47	.82	.84	1.13	1.32	1.53	1.88	2.34	2.34	.915	.570	.744	2.018
CAMBRIDGE																	
220360001A01	78	28	.12	.25	.40	.61	.66	.77	.87	.99	1.09	1.55	1.55	.641	.318	.562	1.741
	79*	21	LD	.09	.24	.49	.51	.63	.69	.79	1.10	1.19	1.19	.481	.315	.356	2.588
FALL RIVER																	
220580001A01	78	29	.09	.35	.49	.87	.90	.97	1.17	1.30	1.49	1.64	1.64	.815	.391	.703	1.860
	79*	15	LD	.14	.52	.88	.90	1.10	1.14	1.45	1.45	1.63	1.63	.811	.479	.577	3.064
NEW BEDFORD																	
221500002A01	78	26	.06	.21	.29	.37	.40	.50	.69	.71	.81	1.18	1.18	.439	.249	.374	1.842
	79	27	LD	LD	.14	.32	.37	.46	.50	.55	.63	.70	.70	.319	.199	.227	2.795
SPRINGFIELD																	
222160002A01	78	29	.19	.40	.56	.80	.82	.95	1.18	1.51	3.01	3.26	3.26	.960	.695	.797	1.827
	79*	23	LD	.16	.44	.65	.74	.78	.95	1.30	1.52	2.72	2.72	.717	.579	.503	2.736
WORCHESTER																	
222640004A01	77	23	.26	.46	.56	.89	.96	1.28	1.55	1.88	1.98	3.58	3.58	1.093	.742	.906	1.859
	78	29	.11	.38	.62	.84	.86	1.08	1.31	1.57	1.95	4.86	4.86	1.019	.870	.806	1.994
	79	27	LD	.12	.19	.66	.72	.85	.99	1.09	1.65	1.84	1.84	.645	.475	.440	2.839
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	.21	.85	1.15	1.60	1.69	2.41	2.74	3.55	4.13	5.95	5.95	2.017	1.293	1.657	1.985

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POLLUTANT - 12126 - IRON
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UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
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SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	.34	.57	.86	1.07	1.19	1.21	1.51	1.51	1.89	1.92	1.92	1.113	.439	1.024	1.557
	78*	22	.33	.36	.59	.95	1.09	1.20	1.40	1.73	1.74	3.32	3.32	1.044	.671	.880	1.819
GRAND RAPIDS																	
231820001A01	77*	22	.07	.18	.42	.79	.81	.96	1.23	1.54	1.79	1.89	1.89	.801	.520	.621	2.254
LANSING																	
232840001A01	77*	22	.25	.32	.52	.85	.97	1.02	1.26	1.44	1.50	1.95	1.95	.869	.448	.757	1.748
	78*	23	.08	.21	.69	1.00	1.13	1.25	1.35	1.56	1.96	2.92	2.92	1.026	.611	.831	2.139
SAGINAW																	
234760001A01	77	25	.05	.22	.57	.80	.85	1.58	1.78	2.17	2.37	3.82	3.82	1.101	.877	.780	2.581
	78*	22	.15	.23	.84	1.22	1.37	1.41	1.60	2.10	2.10	3.97	3.97	1.262	.809	1.019	2.090
TRENTON																	
235120004A01	77*	21	.56	.60	1.00	1.54	1.73	2.00	2.86	4.19	4.34	4.39	4.39	1.906	1.241	1.564	1.916
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	.14	.25	.61	.78	1.12	1.93	2.05	4.15	4.28	5.45	5.45	1.438	1.393	.937	2.659
241040017A01	78*	24	.35	.44	.60	.81	1.02	1.26	1.63	2.25	2.86	3.40	3.40	1.169	.804	.962	1.865
	79*	21	.27	.33	.57	1.10	1.24	1.41	2.19	2.97	3.08	5.55	5.55	1.429	1.271	1.034	2.281
MINNEAPOLIS																	
242260027A01	77	24	.56	.63	1.07	1.42	1.68	1.86	2.34	2.66	3.54	4.75	4.75	1.663	1.004	1.424	1.763
	78	28	.39	.66	.91	1.22	1.41	1.68	1.82	3.09	4.08	5.26	5.26	1.683	1.206	1.370	1.880
ST PAUL																	
243300031A01	77*	24	.42	.47	.94	1.41	1.56	1.72	2.05	3.15	3.15	3.23	3.23	1.560	.870	1.330	1.820
	78*	17	.40	.41	.69	.92	.97	1.00	1.03	1.20	1.63	3.26	3.26	.995	.655	.871	1.642
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	.24	.36	.49	.68	.80	.82	.91	1.31	1.48	2.08	2.08	.764	.431	.665	1.713
	78	31	.28	.48	.59	.81	.88	1.25	1.58	1.97	2.02	2.09	2.09	1.020	.549	.888	1.709

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POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	.97	1.01	1.16	1.38	1.46	1.79	1.94	2.77	3.03	4.50	4.50	1.645	.788	1.515	1.473
ST LOUIS																	
264280001A01	77	27	.33	.66	.88	1.32	1.48	1.88	1.97	2.23	2.42	2.89	2.89	1.428	.660	1.263	1.711
MONTANA																	
HELENA																	
270720001A01	77*	20	LD	LD	.26	.47	.52	.62	.77	1.59	1.78	3.66	3.66	.711	.834	.402	3.464
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	.20	.28	.39	.61	.71	.94	.99	1.18	1.35	1.58	1.58	.703	.368	.609	1.756
	78	25	.16	.20	.62	.92	1.08	1.24	1.42	1.57	1.84	2.20	2.20	.942	.554	.750	2.157
OMAHA																	
281880034A01	77*	17	.28	.57	.93	1.20	1.25	1.33	1.42	1.75	1.96	3.10	3.10	1.259	.622	1.122	1.682
	78*	15	.38	.42	.55	.92	1.06	1.25	1.50	2.30	2.30	2.60	2.60	1.112	.697	.932	1.853
	79	29	.07	.12	.48	.90	1.16	1.22	1.27	1.80	2.17	2.77	2.77	.937	.676	.662	2.627
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	.45	.77	.98	1.21	1.31	1.51	2.08	2.25	2.50	2.63	2.63	1.374	.599	1.256	1.544
	78*	21	.28	.31	.49	.65	.67	.72	.75	.84	.90	1.01	1.01	.623	.187	.593	1.399
	79*	25	.22	.35	.51	.82	.93	1.32	1.33	1.46	1.58	2.23	2.23	.907	.504	.768	1.851
RENO																	
290400001A01	77*	23	.39	.59	1.53	1.75	1.83	2.09	2.28	3.07	3.35	5.69	5.69	1.950	1.107	1.686	1.773
	78	26	.63	.83	1.24	1.50	1.96	1.99	2.10	2.24	2.58	3.19	3.19	1.656	.624	1.536	1.504
	79	30	.08	.31	.75	1.17	1.20	1.41	1.64	1.81	2.42	2.71	2.71	1.159	.617	.952	2.103
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	LD	LD	.18	.47	.53	.60	.60	.75	.89	1.27	1.27	.467	.322	.316	3.108
	79*	15	LD	LD	.07	.19	.23	.28	.41	.53	.53	.68	.68	.232	.209	.132	3.522

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0460; 1978 .0272; 1979 .0452

95% CONF. PRECISION (%): 1977 +-27.0; 1978 +-10.0; 1979 +-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	.33	.49	.62	.89	.93	1.09	1.13	1.25	1.84	1.95	1.95	.912	.389	.839	1.820
	78	23	.18	.32	.54	.90	1.07	1.29	1.47	1.61	1.84	2.66	2.66	1.015	.500	.853	1.808
CAMDEN																	
310720001A01	77*	21	.56	.60	1.35	1.73	1.78	1.99	[illegible]	3.00	3.40	4.76	4.76	1.869	.973	1.653	1.677
	78	28	.41	.52	1.03	1.28	1.58	2.35	2.62	3.10	4.40	6.31	6.31	1.841	1.346	1.471	1.975
CAMDEN CO																	
310740003A01	77*	24	.16	.16	.51	.78	1.02	1.07	1.18	1.56	1.97	1.96	1.96	.851	.482	.694	2.098
	78*	23	.16	.19	.48	.63	.66	.97	1.05	1.19	1.50	2.03	2.03	.731	.470	.596	1.962
ELIZABETH																	
311300002A01	78	89	.19	.49	.62	.74	.80	1.11	1.45	1.51	1.78	2.12	2.12	.935	.488	.813	1.757
	79*	22	.18	.22	.72	.79	.88	1.10	1.46	1.60	1.64	1.89	1.89	.932	.407	.788	1.936
GLASSBORO																	
311700001A01	77*	21	LD	.14	.27	.38	.57	.73	.81	.83	.88	.97	.97	.497	.289	.382	2.490
	78	27	.06	.16	.38	.60	.74	.77	.88	1.02	1.18	1.75	1.75	.622	.306	.488	2.217
	79*	22	.18	.14	.38	.47	.48	.51	.64	.88	.85	.92	.92	.471	.218	.414	1.760
JERSEY CITY																	
312320001A01	77*	23	.83	.87	1.34	1.43	1.78	1.74	1.84	2.20	2.85	3.06	3.06	1.587	.578	1.496	1.410
	78*	23	.23	.29	.64	1.10	1.17	1.25	1.40	2.25	2.43	2.57	2.57	1.163	.651	.985	1.864
	79*	17	.11	.20	.28	.75	.88	1.00	1.29	1.54	1.56	1.77	1.77	.783	.543	.579	2.393
NEWARK																	
313480001A01	77*	21	.25	.34	.64	.97	1.16	1.38	1.51	2.04	2.20	2.24	2.24	1.110	.613	.930	1.877
	78	26	.29	.43	.59	.81	.91	1.25	1.43	1.74	2.09	2.42	2.42	1.009	.575	.867	1.759
	79	26	.16	.28	.51	.60	.81	.99	1.35	1.42	1.98	2.21	2.21	.857	.537	.703	1.946
PATERSON																	
314140001A01	77*	16	.44	.44	.92	1.06	1.16	1.20	1.81	1.90	2.20	2.46	2.46	1.230	.589	1.102	1.639
314140005A01	78*	17	.60	.65	.95	1.15	1.20	1.32	1.52	1.72	2.05	2.14	2.14	1.220	.430	1.161	1.416
	79*	19	.24	.41	.45	.63	.73	1.02	1.08	1.21	1.46	1.61	1.61	.777	.394	.686	1.682
PERTH AMBOY																	
314220001A01	77	27	.51	.65	.85	1.09	1.32	1.43	2.34	2.51	2.71	2.75	2.75	1.366	.713	1.206	1.696
	78	28	.28	.64	.85	1.16	1.53	1.56	1.86	2.02	2.17	2.25	2.25	1.290	.500	1.147	1.732
TRENTON																	
315400001A01	77*	19	.33	.43	.54	.89	.89	1.08	1.13	1.44	1.77	2.80	2.80	.943	.596	.809	1.739
	78	31	.16	.21	.51	.68	.73	.84	.92	1.63	3.60	5.33	5.33	1.025	1.161	.713	2.215

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	.12	.25	.55	.76	1.04	1.07	1.10	1.74	1.83	3.43	3.43	.992	.757	.763	2.196
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	.36	.80	1.14	1.59	1.63	1.93	2.05	3.45	3.53	7.64	7.64	1.872	1.430	1.553	1.822
	78*	22	.57	.60	.99	1.46	1.51	1.64	1.88	2.39	3.02	6.77	6.77	1.656	1.291	1.306	1.766
NEW YORK																	
ALBANY																	
330040001A01	79*	16	LD	LD	.27	.40	.55	.60	.80	.96	1.12	3.25	3.25	.636	.764	.354	3.643
BUFFALO																	
330660001A01	79*	19	.12	.14	.53	.85	.88	.95	1.04	1.33	1.99	3.04	3.04	.869	.703	.639	2.361
NIAGARA FALLS																	
334740001A01	79	30	.21	.28	.48	.80	.96	1.15	1.38	1.93	2.23	3.21	3.21	.987	.789	.782	2.019
ROCHESTER																	
335760001A01	79*	19	.17	.32	.61	.81	1.01	1.05	1.15	1.18	1.26	1.34	1.34	.821	.356	.724	1.767
SYRACUSE																	
336620001A01	79*	27	.10	.28	.51	.75	.82	.95	1.01	1.29	1.47	1.64	1.64	.777	.400	.658	1.933
UTICA																	
336880001A01	79	28	LD	.25	.44	.57	.70	.91	1.05	1.29	1.73	4.45	4.45	.835	.827	.575	2.713
YONKERS																	
337620001A01	79*	21	LD	.06	.29	.51	.68	.98	1.21	1.34	1.73	2.10	2.10	.714	.581	.449	3.227
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	.10	.22	.40	.54	.56	.61	.87	1.27	1.58	2.09	2.09	.657	.473	.523	2.023
	78	30	.19	.25	.49	.72	.92	.97	1.28	1.34	1.54	1.56	1.56	.811	.420	.695	1.823
	79	29	.13	.21	.34	.56	.60	.67	.79	.97	1.31	1.34	1.34	.506	.320	.502	1.799
DURHAM																	
341160001A01	78*	23	.23	.24	.42	.67	.73	.78	.89	1.08	1.19	1.31	1.31	.672	.303	.604	1.633
	79	28	.20	.26	.39	.57	.69	.88	1.04	1.25	1.53	1.56	1.56	.698	.401	.591	1.830
341160006A01	77	27	.26	.36	.62	.83	.97	1.12	1.58	2.12	2.57	2.77	2.77	1.063	.667	.892	1.835

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	.28	.33	.50	.62	.90	.99	1.20	1.42	1.47	1.62	1.62	.811	.397	.720	1.665
	78*	25	.20	.27	.47	.63	.64	.80	1.07	1.19	1.20	1.21	1.21	.680	.322	.604	1.678
MOREHEAD CITY																	
342720002A01	78	28	.04	.07	.12	.19	.27	.30	.32	.36	.63	.78	.78	.246	.171	.197	2.025
	79*	26	LD	LD	.08	.10	.17	.19	.33	.35	.49	.58	.58	.174	.154	.113	2.758
WINSTON-SALEM																	
344460002A01	77	29	.24	.37	.65	.93	.94	.96	1.39	1.68	2.17	2.18	2.18	.974	.529	.839	1.779
	78	29	.28	.40	.66	.92	.97	1.23	1.42	1.77	2.14	2.17	2.17	1.013	.548	.866	1.833
	79	25	.13	.17	.42	.75	.87	1.12	1.15	1.60	1.72	1.86	1.86	.822	.517	.641	2.195
OHIO																	
AKRON																	
360060014A01	77	26	.37	.71	1.13	1.51	1.84	2.06	2.57	2.72	2.82	3.70	3.70	1.690	.829	1.480	1.748
	78	26	.45	.58	1.04	1.37	1.80	1.95	2.21	2.31	2.76	5.12	5.12	1.633	.960	1.403	1.773
	79	25	.18	.57	.85	1.23	1.61	2.04	2.11	2.51	2.60	4.68	4.68	1.485	.973	1.201	2.025
CANTON																	
361000001A01	77*	27	.60	.91	1.45	1.97	2.09	2.23	2.76	2.88	3.28	4.18	4.18	1.961	.836	1.783	1.589
	78*	25	.47	.60	1.39	2.29	2.41	2.70	2.94	4.16	4.73	6.49	6.49	2.308	1.416	1.898	1.965
	79	27	.26	.34	.92	1.19	1.36	1.80	2.31	2.99	3.40	4.11	4.11	1.539	1.029	1.211	2.117
CINCINNATI																	
361220001A01	77	29	.55	.61	.88	1.13	1.39	2.02	2.10	3.11	4.48	4.71	4.71	1.670	1.164	1.360	1.892
	78	30	.26	.42	.80	.95	1.12	1.43	1.74	2.33	3.15	3.54	3.54	1.250	.816	1.037	1.868
	79	28	.36	.42	.77	1.71	2.04	2.42	2.72	4.59	8.47	14.41	14.41	2.565	2.996	1.644	2.537
361220019A01	78*	18	.11	.77	1.20	1.54	1.62	1.72	1.75	2.53	2.61	4.80	4.80	1.655	.975	1.368	2.132
	79*	17	.37	.84	1.00	1.32	1.34	1.73	2.26	2.46	2.70	3.09	3.09	1.540	.747	1.367	1.693
CLEVELAND																	
361300001A01	77*	19	.78	.91	1.26	2.18	2.20	2.57	2.74	3.00	3.12	3.28	3.28	1.971	.865	1.776	1.625
	78	26	.23	.72	1.30	1.92	2.58	2.61	3.11	4.16	5.22	5.60	5.60	2.267	1.471	1.788	2.149
	79*	25	LD	.21	.51	.77	1.13	1.30	1.61	2.20	2.84	3.63	3.63	1.069	.870	.718	2.967
COLUMBUS																	
361460001A01	77	25	.55	.63	.73	1.37	1.42	1.80	2.06	2.44	2.60	2.92	2.92	1.392	.723	1.216	1.713
	78*	26	.29	.47	1.05	1.20	1.45	1.49	2.04	2.15	2.60	5.41	5.41	1.457	1.008	1.206	1.892
	79*	24	.09	.25	.43	.63	.73	.89	1.07	1.24	1.63	1.89	1.89	.750	.440	.625	1.937

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	.34	.65	.93	1.66	1.82	2.00	2.17	2.73	2.98	3.21	3.21	1.610	.880	1.401	1.770
	78	26	.22	.29	.70	.86	1.06	1.10	1.32	2.08	2.64	3.74	3.74	1.120	.825	.889	2.020
MANSFIELD																	
363840008A01	77*	25	.40	.74	1.48	2.55	3.23	3.84	4.00	5.55	5.99	8.20	8.20	2.830	1.961	2.177	2.200
	78	29	.12	.41	1.15	1.69	2.11	2.55	2.86	3.34	3.77	4.99	4.99	1.979	1.170	1.561	2.256
	79	29	LD	.40	.84	1.05	1.16	1.37	1.50	2.35	3.38	4.72	4.72	1.283	.968	.944	2.646
PORTSMOUTH																	
365620002A01	77	27	.19	.23	.46	.97	1.11	1.78	2.12	2.32	2.98	3.63	3.63	1.215	.970	.848	2.504
	78	27	.10	.22	.63	1.18	1.37	1.54	1.86	2.65	4.14	5.04	5.04	1.433	1.232	.981	2.627
	79	28	.13	.22	.38	.56	.87	1.57	1.76	2.12	3.56	4.71	4.71	1.105	1.085	.729	2.565
STEUBENVILLE																	
366420012A01	77*	21	.42	.72	1.42	2.11	2.19	3.51	3.89	4.69	5.91	6.31	6.31	2.595	1.723	2.047	2.118
	78	24	.35	.45	.96	2.04	2.54	3.94	4.43	7.59	8.84	9.34	9.34	3.135	2.662	2.145	2.553
	79	28	.19	.28	.88	1.74	2.22	4.36	5.08	7.18	8.00	11.72	11.72	2.[illegible]32	2.989	1.643	3.282
TOLEDO																	
366600001A01	77*	24	.33	.39	.63	1.11	1.18	1.46	1.56	1.63	1.69	1.84	1.84	1.451	.492	.926	1.719
366600006A01	78*	28	.56	.72	1.11	1.18	1.36	1.07	1.91	2.02	2.18	2.31	2.31	1.428	.523	1.332	1.484
	79	29	.18	.32	.50	1.00	1.07	1.30	1.77	1.93	2.15	2.17	2.17	1.057	.654	.841	2.079
YOUNGSTOWN																	
367760001A01	77	26	.51	1.06	1.25	2.00	2.28	2.70	3.14	3.69	4.26	4.65	4.65	2.205	1.129	1.909	1.783
	78	27	.90	1.02	1.46	2.92	3.52	3.79	5.68	7.70	12.82	16.23	16.23	3.952	3.679	2.860	2.219
	79	26	.58	.70	1.24	2.08	3.20	4.32	5.35	5.78	8.80	10.17	10.17	3.288	2.652	2.361	2.369
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	LD	.15	.39	.60	.64	.67	.71	1.07	1.34	1.54	1.54	.604	.395	.450	2.612
TULSA																	
373000110A01	77	24	.13	.22	.46	.52	.59	.72	.85	1.13	1.41	1.88	1.88	.660	.393	.570	1.816
	78*	21	.13	.28	.46	.53	.64	.95	1.02	1.25	1.29	2.76	2.76	.758	.568	.609	1.989
OREGON																	
PORTLAND																	
381460001A01	77	28	.16	.30	.62	1.32	1.44	1.69	2.35	3.54	4.19	7.47	7.47	1.729	1.587	1.198	2.479
	78*	24	.17	.40	.64	1.08	1.36	1.92	2.35	3.82	3.93	4.14	4.14	1.636	1.279	1.193	2.339

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	.16	.38	.61	.85	.90	.98	1.15	1.29	1.67	1.94	1.94	.867	.415	.762	1.744
	78*	19	.16	.26	.47	.89	1.00	1.05	1.11	1.44	1.47	1.73	1.73	.859	.453	.728	1.896
ALTOONA																	
390140001A01	77*	22	.44	.62	.92	1.45	1.48	1.83	2.14	2.36	2.47	4.41	4.41	1.544	.881	1.342	1.722
BETHLEHEM																	
390780002A01	77	25	.15	.47	.76	1.18	1.28	1.51	1.59	1.89	1.99	2.53	2.53	1.164	.568	1.004	1.848
	78*	24	.33	.55	.72	1.02	1.14	1.45	1.65	3.26	4.21	9.25	9.25	1.675	1.861	1.220	2.072
ERIE																	
393060002A01	77	25	.22	.31	.56	.94	1.39	1.75	2.18	3.31	3.44	3.75	3.75	1.352	1.051	.983	2.339
HARRISBURG																	
393880361A01	77	30	.50	.61	1.01	1.89	2.03	2.33	2.73	2.99	4.00	4.44	4.44	1.876	1.028	1.591	1.848
	78	26	.31	.37	.94	1.07	1.11	1.32	1.71	2.15	2.36	2.91	2.91	1.207	.675	1.026	1.834
HAZLETON																	
393960001A01	77	25	.14	.37	.54	.89	.98	1.08	1.23	2.14	2.33	2.82	2.82	1.010	.671	.823	1.966
	78	28	.17	.62	.88	1.09	1.20	1.30	1.39	1.95	1.98	2.45	2.45	1.182	.521	1.049	1.741
JOHNSTOWN																	
394460803A01	77*	22	.42	.76	2.12	2.68	2.84	3.55	4.21	4.92	6.59	8.48	8.48	3.105	1.883	2.554	2.002
LANCASTER CITY																	
394660002A01	77*	19	.31	.39	.53	.70	.73	.79	.94	1.53	1.66	1.85	1.85	.804	.436	.712	1.639
PHILADELPHIA																	
397140004A01	77	28	.46	.75	1.01	1.28	1.38	1.63	1.78	2.21	2.49	2.83	2.83	1.410	.589	1.297	1.529
PITTSBURGH																	
397260001A01	77*	20	1.07	1.19	2.38	2.85	3.21	3.38	3.73	4.58	6.78	7.57	7.57	3.157	1.705	2.762	1.715
READING																	
397620001A01	77	29	LD	.26	.47	.63	.69	.87	.95	1.12	1.50	1.75	1.75	.705	.386	.578	2.263
	78	29	.14	.33	.49	.68	.70	.80	.92	1.36	1.53	4.27	4.27	.831	.750	.659	1.950
SCRANTON																	
398040001A01	77	28	.84	1.26	1.57	2.52	2.70	3.13	3.78	4.34	5.50	8.65	8.65	2.835	1.689	2.444	1.732
WARMINSTER																	
399160002A01	77*	23	.24	.47	.60	.85	1.01	1.15	1.25	1.39	1.71	1.77	1.77	.916	.419	.823	1.630

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER 399280110A01	77	30	.14	.20	.42	.51	.60	.72	.89	.97	1.07	1.51	1.51	.598	.301	.526	1.710
WILKES-BARRE 399430001A01	77	30	.41	.51	.80	1.32	1.50	1.85	2.16	2.38	3.63	4.51	4.51	1.513	.957	1.255	1.882
YORK 399560322A01	77	30	.24	.24	.44	.56	.66	.76	.83	1.20	1.52	1.70	1.70	.665	.369	.577	1.724
PUERTO RICO																	
GUAYANILLA CO 401100003A01	77*	23	.13	.24	.36	.41	.57	.63	.87	.91	1.08	1.12	1.12	.551	.285	.482	1.723
	78	28	.25	.33	.41	.54	.62	.74	1.05	2.19	2.50	4.58	4.58	.946	.960	.691	2.078
	79*	22	.19	.25	.43	.50	.57	.67	.78	.83	.91	1.55	1.55	.588	.293	.528	1.613
GUAYNABO CO 401140001A01	77	28	.36	.40	.76	.92	1.04	1.09	1.14	1.36	1.61	2.51	2.51	.976	.444	.888	1.571
	78*	25	.37	.51	.75	.95	1.04	1.18	1.29	2.02	2.41	4.76	4.76	1.157	.883	.976	1.734
	79*	19	.41	.43	.66	.93	.94	.99	1.27	1.29	1.46	1.79	1.79	.920	.377	.846	1.538
PONCE 401920002A01	77*	24	.52	.55	.82	.98	1.11	1.19	1.19	1.38	1.48	1.92	1.92	1.040	.320	.993	1.370
	78	27	.39	.51	.85	1.04	1.06	1.17	1.38	1.93	3.11	5.47	5.47	1.286	1.016	1.073	1.759
	79	22	.54	.56	.78	.99	1.10	1.16	1.39	1.75	2.51	3.55	3.55	1.172	.696	1.039	1.604
SABANA SECA 402065001A01	77*	26	.41	.62	.77	.81	1.00	1.11	1.22	1.35	1.40	1.50	1.50	.943	.289	.900	1.372
SAN JUAN CO 402160001A01	77*	24	.37	.39	.57	.71	.76	.80	.89	.99	1.00	1.04	1.04	.716	.195	.688	1.345
	78*	16	.44	.51	.74	1.01	1.16	1.45	2.07	2.67	2.70	3.93	3.93	1.422	.990	1.158	1.919
402160003A01	79	26	.62	.66	.89	1.14	1.38	1.54	1.73	1.92	2.36	3.86	3.86	1.358	.701	1.226	1.561
TOA BAJA CO 402320002A01	78*	18	.72	.76	.78	1.08	1.17	1.25	1.44	1.45	1.85	4.95	4.95	1.316	.960	1.155	1.578
	79	27	.35	.49	.63	.90	.95	1.12	1.68	2.16	2.44	2.72	2.72	1.104	.667	.943	1.758
RHODE ISLAND																	
EAST PROVIDENC 410120001A01	77*	20	.30	.32	.49	.62	.84	.88	1.04	1.14	1.52	1.70	1.70	.783	.381	.700	1.632
	78*	19	.41	.46	.63	.77	.82	.99	1.26	1.62	1.65	1.87	1.87	.919	.434	.834	1.564

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	.07	.22	.47	.56	.67	.75	.88	1.14	1.18	1.21	1.21	.628	.331	.517	1.993
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	.17	.24	.41	.47	.63	.83	1.13	1.34	1.81	2.73	2.73	.760	.583	.601	1.991
	79*	21	LD	.15	.20	.65	.69	.81	.96	1.16	1.38	3.39	3.39	.719	.722	.462	2.942
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	.13	.14	.58	.83	1.05	1.23	1.38	1.47	1.64	1.68	1.68	.931	.478	.768	2.082
	78*	22	.41	.47	.70	.91	.96	1.17	1.21	1.63	1.79	2.91	2.91	1.042	.554	.934	1.599
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	.39	.45	.64	1.16	1.35	1.93	2.20	3.58	3.76	6.95	6.95	1.668	1.479	1.246	2.140
440380020A01	78	29	.34	.44	.80	1.06	1.12	1.20	1.69	2.63	2.74	3.09	3.09	1.249	.783	1.043	1.851
	79	30	LD	.15	.37	.66	.73	.84	1.01	1.22	1.87	2.18	2.18	.724	.508	.533	2.568
KNOXVILLE																	
441740002A01	77*	22	.27	.52	.62	.92	1.07	1.14	1.32	2.11	3.86	3.98	3.98	1.195	.974	.957	1.906
441740003A01	78	29	.40	.54	.98	1.12	1.21	1.47	1.82	2.08	2.30	3.64	3.64	1.341	.673	1.198	1.630
MEMPHIS																	
442340001A01	77*	18	.73	.82	1.11	1.36	1.45	1.56	1.63	1.68	1.68	3.28	3.28	1.437	.587	1.351	1.418
	78*	19	.30	.55	.61	.73	.75	.80	.97	1.09	1.16	1.42	1.42	.777	.261	.737	1.409
442340013A01	79*	17	LD	.08	.18	.35	.36	.46	.80	.92	1.01	1.66	1.66	.449	.427	.285	2.949
NASHVILLE																	
442540001A01	77*	21	.17	.45	.78	1.08	1.27	1.69	2.05	2.81	2.93	3.59	3.59	1.407	.930	1.120	2.094
TEXAS																	
AMARILLO																	
450070002A01	77*	21	LD	.12	.25	.38	.43	.47	.63	.81	1.25	1.33	1.33	.456	.338	.344	2.394
	78*	17	.17	.35	.55	.85	1.12	1.55	1.60	1.62	1.79	2.24	2.24	1.042	.604	.850	2.046
AUSTIN																	
450220010A01	77*	17	LD	.12	.16	.29	.29	.30	.43	.47	.80	1.25	1.25	.337	.293	.249	2.372
	78	22	.14	.14	.25	.34	.36	.43	.46	.70	.74	.79	.79	.300	.191	.338	1.640

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0278	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	.18	.25	.33	.42	.48	.55	1.11	1.81	1.86	1.99	1.99	.669	.553	.512	2.038
	78	25	.27	.32	.55	.64	.73	1.07	1.22	1.86	2.15	4.58	4.58	.952	.887	.735	1.980
CORPUS CHRISTI																	
451150001A01	77	26	.15	.22	.40	.49	.65	.66	.85	1.16	1.33	1.79	1.79	.628	.388	.528	1.839
	78	26	.26	.33	.51	.69	.74	.77	.86	1.20	1.26	1.74	1.74	.726	.343	.655	1.593
DALLAS																	
451310002A01	77*	21	.34	.41	.66	.86	.96	1.06	1.10	1.31	2.00	2.09	2.09	.942	.444	.857	1.568
EL PASO																	
451700002A01	78*	17	.31	.75	1.21	1.57	1.57	1.91	1.97	2.75	2.94	3.35	3.35	1.661	.789	1.462	1.766
FORT WORTH																	
451800001A01	77	26	.68	.76	.84	.93	1.00	1.11	1.30	1.45	2.28	2.96	2.96	1.120	.517	1.042	1.428
	78	23	.28	.38	.81	.95	1.05	1.09	1.18	1.32	1.63	1.70	1.70	.975	.349	.905	1.527
HOUSTON																	
452560001A01	77*	15	.52	.72	.91	1.12	1.17	1.41	1.70	2.61	2.61	19.41	19.41	2.450	4.721	1.377	2.306
	78	25	.46	.54	.80	1.04	1.15	1.42	1.93	2.47	2.50	2.93	2.93	1.272	.724	1.101	1.719
LUBBOCK																	
453340001A01	77*	21	.29	.32	.59	.91	.91	1.23	1.51	1.93	5.27	6.12	6.12	1.352	1.516	.944	2.211
	78	25	.23	.34	.51	.81	1.01	1.20	1.28	1.53	1.78	2.50	2.50	.919	.533	.779	1.829
PASADENA																	
454060002A01	77*	27	.30	.30	.54	.96	1.03	1.35	1.82	2.34	5.61	14.15	14.15	1.672	2.722	.989	2.468
	78*	23	.40	.44	.81	1.22	1.44	1.62	1.86	2.64	3.44	3.59	3.59	1.447	.897	1.209	1.862
SAN ANTONIO																	
454570034A01	77*	23	.16	.27	.35	.50	.63	.84	1.03	1.54	1.56	1.65	1.65	.690	.467	.568	1.934
	78	26	.18	.30	.37	.53	.62	.65	.71	.82	1.03	1.28	1.28	.566	.248	.516	1.560
WICHITA FALLS																	
455560002A01	77	29	LD	.19	.28	.35	.37	.42	.68	.71	.77	1.08	1.08	.421	.232	.353	2.022
	78	26	.30	.39	.52	.65	.74	.78	.91	1.04	1.48	4.58	4.58	.833	.818	.685	1.728
UTAH																	
OGDEN																	
460680001A01	77*	22	.30	.39	1.21	1.56	1.73	1.88	2.22	2.81	3.41	3.77	3.77	1.666	.935	1.372	2.811
	78	29	.40	.53	.89	1.28	1.52	1.55	1.76	2.52	3.15	3.16	3.16	1.385	.779	1.185	1.789

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)

1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	.50	.76	1.20	1.70	1.94	2.53	2.88	4.91	4.91	6.07	6.07	2.226	1.469	1.829	1.904
	78*	25	.08	.63	.95	1.47	1.71	2.26	2.39	3.37	3.40	3.55	3.55	1.673	.963	1.328	2.270
VERMONT																	
BURLINGTON																	
470140003A01	77	26	.07	.22	1.00	1.62	1.84	1.95	2.25	2.52	3.35	5.65	5.65	1.620	1.194	1.102	2.980
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	.15	.24	.41	.56	.81	.82	1.32	1.71	2.15	2.50	2.50	.854	.636	.660	2.091
	78	27	.05	.20	.36	.48	.54	.76	.89	1.16	1.41	1.75	1.75	.616	.406	.489	2.123
FAIRFAX CO																	
481060001A01	77*	27	.15	.26	.39	.48	.52	.69	.83	.89	1.24	1.42	1.42	.580	.305	.510	1.681
HAMPTON																	
481440001A01	77	30	.13	.15	.35	.63	.71	.81	1.07	1.32	1.65	2.81	2.81	.726	.564	.558	2.129
LYNCHBURG																	
481840002A01	77	30	.25	.27	.48	.73	1.06	1.16	1.40	1.99	3.09	3.25	3.25	1.005	.796	.764	2.125
	78	29	.27	.29	.44	.79	.83	.97	1.28	1.82	2.84	3.42	3.42	.962	.812	.728	2.088
NORFOLK																	
482140001A01	77	29	.28	.42	.63	.87	.98	1.04	1.13	1.73	2.07	2.63	2.63	.976	.546	.849	1.715
	78	29	.27	.30	.43	.72	.96	1.14	1.45	1.93	2.74	3.99	3.99	1.028	.850	.778	2.120
	79	29	.17	.34	.66	.97	1.00	1.07	1.15	2.11	2.73	3.17	3.17	1.100	.768	.878	2.025
PORTSMOUTH																	
482440001A01	77	30	.29	.39	.60	.86	.97	1.17	1.30	1.66	2.10	2.32	2.32	.997	.535	.871	1.704
	78*	25	.13	.58	.74	.91	1.00	1.26	1.45	2.09	2.33	2.98	2.98	1.113	.656	.937	1.903
RICHMOND																	
482660002A01	77	30	.20	.36	.53	.90	.93	1.20	1.44	1.52	1.89	3.12	3.12	.971	.603	.816	1.847
ROANOKE																	
482700003A01	77	29	.22	.34	.57	.78	.90	1.00	1.17	1.51	2.93	3.47	3.47	.952	.744	.760	1.942

* INDICATES YEARLY CRITERIA NOT MET

POL.UTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	.41	.55	1.00	1.19	1.48	1.55	1.75	2.40	2.69	3.75	3.75	1.395	.733	1.230	1.675
	78	30	.45	.51	.73	.96	1.13	1.18	1.51	1.59	1.66	1.77	1.77	1.049	.385	.977	1.481
SPOKANE																	
492040001A01	77*	26	.16	.34	.75	1.51	1.79	2.18	2.51	4.05	4.46	4.68	4.68	1.829	1.356	1.329	2.444
	78	27	.17	.24	.64	1.33	1.47	1.99	2.04	3.03	4.66	5.77	5.77	1.631	1.365	1.114	2.644
	79*	25	.12	.61	1.74	2.27	2.41	2.94	3.05	3.90	4.27	5.95	5.95	2.321	1.331	1.841	2.293
TACOMA																	
492140001A01	77	28	LD	.13	.50	.86	1.10	1.18	1.37	1.61	1.87	2.80	2.80	.967	.608	.715	2.693
	78	30	.19	.34	.51	.72	.91	.97	1.35	1.66	1.92	2.13	2.13	.881	.529	.738	1.852
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	.22	.44	.57	.85	1.05	1.18	1.43	1.72	2.24	2.31	2.31	.906	.545	.850	1.764
	78*	23	.39	.45	.74	.97	1.33	1.45	2.09	2.27	4.24	6.00	6.00	1.516	1.452	1.135	2.072
SOUTH CHARLEST																	
501760001A01	77	29	.20	.24	.45	.62	.75	1.01	1.14	1.99	2.92	3.00	3.00	.921	.770	.691	2.144
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	LD	LD	.15	.39	.55	.63	.74	.93	.99	1.05	1.05	.455	.345	.282	3.356
	78	25	.11	.14	.25	.38	.43	.55	.60	.77	.87	1.41	1.41	.442	.292	.363	1.913
	79	29	.06	.10	.14	.27	.29	.31	.32	.38	.46	.47	.47	.245	.114	.216	1.728
KENOSHA																	
511540001A01	77*	23	.12	.19	.46	.69	.71	.90	1.19	1.40	1.59	2.95	2.95	.844	.610	.676	2.021
511540003A01	78	30	.18	.32	.42	.74	1.01	1.24	1.42	1.88	2.74	2.99	2.99	.997	.721	.776	2.085
	79	27	.19	.22	.33	.46	.52	.69	.72	.87	.95	1.82	1.82	.547	.341	.471	1.722
MADISON																	
511860001A01	77	28	LD	.10	.29	.54	.63	.85	.95	1.22	1.37	1.58	1.58	.623	.423	.451	2.619
	78	29	.22	.26	.54	.82	.90	1.03	1.06	1.37	1.62	1.77	1.77	.830	.438	.705	1.856
	79*	26	.10	.12	.19	.38	.47	.50	.84	.93	1.06	1.15	1.15	.467	.329	.357	2.105
MILWAUKEE																	
512200099A01	77	26	.22	.36	.57	.85	1.08	1.32	1.65	2.19	2.92	5.33	5.33	1.223	1.092	.909	2.178
	78	25	.21	.23	.73	1.42	1.54	2.68	2.93	3.70	3.78	4.72	4.72	1.769	1.355	1.212	2.673
	79	29	.18	.30	.60	.84	.98	1.13	1.61	1.82	2.99	4.36	4.36	1.116	.892	.863	2.087

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	.18	.22	.38	.60	.78	.91	.99	1.43	3.11	6.63	6.63	.988	1.266	.666	2.270
	78	29	.15	.26	.55	1.02	1.12	1.47	1.64	1.82	2.22	2.77	2.77	1.091	.673	.860	2.167
	79	29	.07	.17	.42	.58	.65	.82	.89	1.23	1.44	1.46	1.46	.656	.407	.518	2.152
SUPERIOR																	
513480001A01	77	21	.22	.28	.48	1.19	1.25	1.83	2.11	2.25	2.93	3.47	3.47	1.316	.918	.995	2.272
	78	26	.36	.44	.91	1.32	1.57	1.69	1.75	2.67	3.24	4.01	4.01	1.518	.896	1.272	1.885
513480006A01	79	28	.06	.19	.78	1.30	1.57	1.69	2.13	2.99	3.26	5.50	5.50	1.523	1.172	1.077	2.668

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	LD	.05	.13	.16	.25	.29	.48	.63	.83	.83	.192	.203	.110	3.140
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	.04	.06	.15	.31	.35	.39	.43	.50	.50	.50	.50	.292	.162	.235	2.129
DELAWARE																	
KENT CO																	
080060001A03	77	29	LD	.08	.14	.26	.27	.39	.46	.51	.74	1.05	1.05	.308	.230	.225	2.400
	78	30	.07	.11	.30	.41	.49	.59	.68	.76	1.00	1.13	1.13	.462	.277	.370	2.098
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									1.33				
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.08				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	LD	.29	.47	.57	.79	.97	1.67	1.87	2.16	2.16	.691	.619	.395	3.021
	78	29	.05	.08	.15	.26	.29	.39	.41	.50	.82	1.70	1.70	.320	.325	.230	2.355
INDIANA																	
MONROE CO																	
152800001A03	77*	18	LD	LD	.08	.13	.20	.24	.37	.53	.56	.93	.93	.244	.247	.145	3.097
	78*	20	.06	.10	.22	.28	.33	.37	.40	.44	.50	.94	.94	.314	.189	.266	1.856
	79	28	LD	LD	LD	.11	.16	.19	.21	.31	.40	.42	.42	.142	.123	.085	3.119
PARKE CO																	
153260001A03	77*	22	LD	LD	.12	.17	.24	.32	.43	.53	.55	.99	.99	.272	.233	.177	2.935

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

NONURBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.63				
	78*	23	.04	.05	.08	.13	.17	.18	.25	.39	.51	.51	.51	.178	.142	.134	2.155
	79*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.27				
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	LD	LD	.09	.23	.26	.30	.32	.39	.55	.59	.59	.231	.164	.155	2.919
	78*	23	.05	.06	.18	.21	.26	.35	.38	.61	.70	.85	.85	.290	.204	.229	2.072
	79	25	LD	LD	.12	.16	.20	.24	.29	.33	.35	.44	.44	.181	.116	.131	2.657
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	LD	LD	.07	.10	.14	.24	.35	.36	1.79	1.79	.192	.373	.085	3.296
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	LD	LD	LD	.08	.10	.13	.17	.22	.27	1.09	1.09	.138	.225	.073	2.958
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.22				
ROSEBUD CO																	
271360026A03	77*	24	LD	LD	.07	.24	.27	.35	.45	.52	.53	.73	.73	.256	.207	.154	3.329
	78*	24	LD	.04	.12	.30	.32	.63	.65	.85	.97	1.27	1.27	.408	.341	.254	3.156
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	LD	LD	.06	.08	.11	.21	.29	.44	.56	.56	.118	.141	.064	3.058
	78*	24	LD	LD	.05	.11	.13	.18	.22	.29	.35	1.17	1.17	.170	.236	.089	3.402
	79	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.31				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.42				
	78*	19	LD	LD	LD	.09	.09	.10	.12	.16	.25	.27	.27	.083	.081	.045	3.349

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)
1977 .0460
1978 .0272
1979 .0452

95% CONF. PRECISION (%)
+-27.0
+-18.0
+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE COOS CO 300140001A03	79*	16	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.24				
NEW YORK JEFFERSON CO 333340001A03	79*	19	LD	LD	.06	.10	.13	.18	.23	.27	.46	.55	.55	.158	.147	.103	2.749
OREGON CURRY CO 380440001A03	77	28	LD	LD	.06	.15	.20	.40	.47	.59	.76	1.26	1.26	.265	.292	.135	3.647
	78*	24	.08	.10	.18	.24	.26	.30	.36	.68	1.74	6.44	6.44	.573	1.292	.279	2.542
PENNSYLVANIA CLARION CO 391760001A03	77*	25	LD	LD	.13	.26	.29	.35	.39	.68	.75	1.20	1.20	.300	.276	.183	3.193
	78	30	LD	.05	.09	.20	.30	.40	.49	.60	.82	1.02	1.02	.300	.262	.189	2.971
RHODE ISLAND WASHINGTON CO 410380002A03	77*	19	LD	LD	.09	.19	.24	.29	.50	.61	.61	1.19	1.19	.293	.291	.172	3.269
	78*	17	.11	.12	.15	.20	.22	.33	.36	.41	.41	.47	.47	.242	.120	.215	1.648
SOUTH CAROLINA RICHLAND CO 421900002A03	77*	19	LD	LD	LD	.16	.16	.18	.20	.32	.43	1.99	1.99	.232	.442	.098	3.658
SOUTH DAKOTA BLACK HILLS NA 430110001A03	77*	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.32				
	78	27	.04	.07	.10	.16	.23	.25	.34	.38	.70	.94	.94	.232	.206	.171	2.109
TENNESSEE CUMBERLAND CO 440680001A03	77	29	LD	LD	.07	.15	.19	.29	.41	.59	.70	2.47	2.47	.291	.465	.132	3.749

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12126 - IRON
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0460	+-27.0
1978	.0272	+-10.0
1979	.0452	+-49.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	LD	.06	.12	.18	.27	.29	.56	.59	.70	.70	.211	.213	.115	3.588
TOM GREEN CO																	
455200001A03	77	26	LD	LD	LD	.15	.18	.18	.31	.32	.56	.73	.73	.176	.179	.099	3.277
	78*	17	LD	.10	.20	.27	.27	.50	.61	.65	1.13	4.13	4.13	.583	.952	.304	3.273
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	LD	.11	.15	.26	.31	.40	.51	.91	2.37	2.37	.342	.525	.170	3.382
	79*	18	LD	LD	.09	.16	.18	.24	.27	.33	.36	.40	.40	.178	.116	.131	2.546
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	LD	LD	.08	.09	.16	.18	.31	.47	.50	.50	.126	.133	.073	2.963
	78*	18	.04	.06	.13	.23	.26	.33	.34	.56	.89	1.15	1.15	.320	.292	.226	2.412
	79	29	LD	LD	LD	.12	.15	.18	.20	.32	.46	.58	.58	.150	.141	.093	2.918
WYTHE CO																	
483440001A03	77	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.68				
	78*	17	LD	.09	.13	.19	.23	.25	.33	.43	.46	.60	.60	.233	.149	.183	2.333
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.51				
	78*	16	.05	.05	.08	.16	.27	.29	.46	.70	1.32	1.33	1.33	.349	.420	.195	2.979
510780002A03	79*	22	LD	.06	.17	.19	.22	.24	.32	.37	.37	.37	.37	.212	.105	.178	2.011
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.28				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	.30	.44	.69	.85	.97	1.03	1.09	1.31	1.46	2.94	2.94	.938	.506	.843	1.585
	78*	20	.43	.50	.65	.92	1.04	1.07	1.67	2.25	2.83	2.90	2.90	1.183	.737	1.009	1.756
GADSDEN																	
011480001A01	77	25	.17	.20	.36	.43	.44	.60	.61	1.00	1.24	1.70	1.70	.525	.352	.444	1.767
	78*	17	.15	.32	.38	.46	.54	.61	.67	.67	.78	1.17	1.17	.522	.231	.477	1.574
HUNTSVILLE																	
011860001A01	77	26	.22	.30	.38	.47	.54	.63	.81	1.24	1.60	1.92	1.92	.651	.442	.545	1.787
	78*	15	.25	.40	.56	.69	.89	1.11	1.13	1.69	1.69	3.43	3.43	.974	.776	.791	1.893
MOBILE																	
012380001A01	77*	19	.35	.56	.88	.94	.97	1.08	1.11	1.35	1.39	1.90	1.90	.990	.328	.937	1.426
MONTGOMERY																	
012460001A01	77*	20	.23	.23	.43	.55	.60	.89	1.15	1.33	1.49	1.65	1.65	.734	.433	.621	1.833
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	.27	.29	.38	.61	.76	.87	.90	1.40	1.78	1.93	1.93	.762	.480	.645	1.798
	78*	17	.08	.31	.41	.58	.61	1.04	1.56	1.61	1.98	2.00	2.00	.851	.605	.649	2.267
	79*	15	.12	.18	.27	.37	.39	.40	.50	.53	.53	.73	.73	.368	.155	.337	1.573
FAIRBANKS																	
020160001A01	77*	25	.27	.41	.70	.86	.91	1.38	2.43	3.59	3.97	4.30	4.30	1.426	1.235	1.033	2.231
020160016A01	78*	24	.22	.26	.39	.68	.85	1.21	1.56	2.25	3.01	3.45	3.45	1.048	.903	.750	2.305
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	.06	.09	.17	.21	.28	.33	.41	.51	.51	.63	.63	.267	.159	.223	1.886
	78	24	.04	.10	.14	.16	.17	.21	.24	.29	.42	.70	.70	.201	.132	.174	1.707
	79	27	.09	.12	.17	.30	.33	.37	.44	.46	.61	.84	.84	.310	.170	.269	1.752
PHOENIX																	
030600002A01	77*	20	.35	.38	.66	1.21	1.27	1.58	1.89	2.77	2.96	3.14	3.14	1.375	.875	1.117	1.983
	78*	22	.23	.29	.86	1.01	1.32	1.57	2.20	2.61	2.71	5.42	5.42	1.424	1.184	1.034	2.360
	79*	20	.06	.07	.31	.75	.87	1.00	1.12	1.50	1.91	3.66	3.66	.880	.835	.565	2.905
TUCSON																	
030860001A01	77	30	.10	.24	.32	.41	.49	.75	.85	1.04	1.38	1.93	1.93	.585	.411	.478	1.876

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE!	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	.22	.23	.33	.45	.48	.52	.57	.63	1.02	1.42	1.42	.490	.264	.441	1.565
	79	26	.05	.07	.22	.27	.35	.43	.54	.56	.59	.59	.59	.322	.176	.266	1.997
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	28	.36	.36	.49	.56	.58	.69	.86	.96	1.05	1.05	1.05	.637	.217	.605	1.388
TEXARKANA																	
042560001A01	78*	16	.20	.20	.25	.28	.28	.28	.32	.33	.47	.51	.51	.294	.084	.285	1.287
WEST MEMPHIS																	
042740004A01	78*	17	.08	.18	.27	.39	.41	.79	1.26	1.28	1.29	1.80	1.80	.617	.516	.441	2.374
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	.75	.80	1.06	1.49	1.59	2.09	2.68	3.63	4.19	6.24	6.24	1.927	1.269	1.628	1.766
	78*	24	.67	.78	.89	1.10	1.14	1.36	1.95	2.52	2.75	3.15	3.15	1.388	.700	1.251	1.569
	79*	20	.53	.55	.64	.73	.85	1.01	1.08	1.11	1.31	2.15	2.15	.881	.375	.825	1.424
BERKELEY																	
050740001A01	77	30	.19	.32	.42	.51	.70	.91	1.27	1.68	1.83	3.17	3.17	.852	.657	.675	1.963
	78*	24	.18	.21	.33	.39	.50	.70	.86	1.11	1.54	1.90	1.90	.609	.441	.495	1.893
	79*	20	.16	.16	.20	.26	.29	.30	.35	.36	.76	.94	.94	.312	.199	.274	1.616
BURBANK																	
050900002A01	77	30	1.17	1.60	2.03	2.45	2.63	2.93	4.35	5.37	5.76	7.48	7.48	2.957	1.520	2.654	1.583
FRESNO																	
052800002A01	77	30	.36	.40	.74	.88	1.01	1.38	2.41	3.38	4.03	4.90	4.90	1.505	1.255	1.119	2.151
	78*	24	.35	.42	.73	.99	1.30	1.85	2.70	3.32	4.05	5.30	5.30	1.632	1.312	1.231	2.143
	79*	20	.16	.28	.39	.46	.48	.59	.60	.70	.77	1.98	1.98	.544	.373	.473	1.661
LONG BEACH																	
054100001A01	77	27	.52	.66	.86	1.24	1.35	1.98	2.79	4.05	5.07	6.48	6.48	1.911	1.560	1.479	2.011
LOS ANGELES																	
054180001A01	77	30	1.07	1.23	1.59	2.21	2.43	2.64	3.07	4.32	5.85	6.83	6.83	2.588	1.446	2.271	1.662
	78*	20	.81	.82	1.50	1.67	1.69	2.09	2.32	2.64	2.93	2.98	2.98	1.805	.656	1.686	1.479
	79*	19	.42	.60	.82	1.00	1.02	1.23	1.33	1.77	2.32	2.58	2.58	1.139	.569	1.025	1.593

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% COMP. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA OAKLAND																	
055300001A01	77	29	.16	.29	.45	.81	1.05	1.45	1.69	2.49	3.00	3.10	3.10	1.174	.861	.883	2.229
ONTARIO																	
055380001A01	77	30	.49	.60	1.22	1.57	1.83	2.02	2.18	2.68	3.06	4.45	4.45	1.729	.855	1.530	1.687
	78*	24	.20	.47	.75	1.03	1.13	1.28	1.36	1.62	1.67	1.84	1.84	1.040	.418	.940	1.655
	79*	21	.35	.38	.54	.68	.74	1.00	1.01	1.20	1.33	1.83	1.83	.790	.368	.719	1.552
PASADENA																	
055760002A01	77	29	.55	.68	1.34	1.85	1.96	2.28	2.81	3.12	3.81	5.39	5.39	2.021	1.074	1.763	1.730
SACRAMENTO																	
056580001A01	77	30	.26	.32	.41	.55	1.00	1.20	1.62	2.54	3.54	3.87	3.87	1.101	.995	.791	2.233
	78*	24	.07	.14	.41	.47	.52	.89	1.40	1.79	2.25	3.41	3.41	.845	.807	.568	2.557
	79*	21	.12	.13	.23	.33	.42	.46	.62	.71	.91	1.76	1.76	.434	.370	.339	2.002
SAN BERNARDINO																	
056680001A01	77	29	.41	.64	1.15	1.54	1.66	1.74	1.92	2.07	2.36	4.55	4.55	1.561	.766	1.402	1.626
	78*	24	.31	.38	.78	1.26	1.47	1.56	1.89	2.84	3.50	4.13	4.13	1.438	.965	1.167	1.970
	79*	20	.52	.56	.74	.85	.88	.98	1.05	1.08	1.32	1.34	1.34	.878	.231	.849	1.308
SAN DIEGO																	
056800004A01	77	30	.25	.32	.55	.87	1.16	1.82	2.32	3.12	3.89	4.75	4.75	1.388	1.177	.989	2.336
	78*	24	.12	.23	.48	.77	.89	1.52	2.05	2.37	2.51	3.24	3.24	1.155	.892	.832	2.399
	79*	20	.19	.21	.29	.53	.62	.74	.86	1.09	1.24	1.29	1.29	.590	.353	.494	1.863
SAN FRANCISCO																	
056860001A01	77	30	.34	.51	.60	.68	.76	.89	1.19	1.40	2.29	2.36	2.36	.903	.513	.802	1.595
SAN JOSE																	
056980004A01	77	30	.31	.54	.71	.97	1.22	1.52	2.47	3.68	4.45	4.93	4.93	1.625	1.336	1.218	2.127
	78*	24	.31	.34	.68	.94	1.00	1.55	1.64	2.09	2.31	3.08	3.08	1.158	.706	.967	1.869
	79*	20	.21	.22	.37	.46	.55	.56	.69	.99	1.12	2.25	2.25	.599	.458	.498	1.791
SANTA ANA																	
057180001A01	77	29	.55	.57	1.02	1.21	1.69	1.95	2.52	2.88	4.61	6.08	6.08	1.797	1.359	1.423	1.978
	78*	20	.52	.55	.61	.97	1.51	1.75	2.51	2.71	2.80	4.07	4.07	1.477	1.002	1.198	1.937
	79*	20	.26	.34	.40	.64	.72	.81	.85	1.10	1.14	1.76	1.76	.700	.358	.625	1.623
TORRANCE																	
058260001A01	77	29	.62	.68	.91	1.02	2.33	3.10	3.39	4.19	4.77	5.18	5.18	2.090	1.496	1.612	2.093

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY — DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	.40	.46	.67	.86	.94	1.03	1.12	1.52	1.77	3.64	3.64	1.065	.740	.915	1.696
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	.20	.37	.55	.74	.90	1.05	1.09	1.48	2.14	3.16	3.16	.907	.631	.751	1.853
	79	27	.13	.23	.47	.79	.89	.92	1.12	1.37	1.64	1.90	1.90	.806	.466	.670	1.935
HARTFORD																	
070420002A01	77*	16	.34	.54	.60	.77	.80	.82	1.04	1.07	1.07	1.10	1.10	.778	.225	.745	1.373
	78*	21	.11	.24	.37	.68	.75	.81	.86	.98	1.42	2.86	2.86	.724	.579	.576	2.004
NEW HAVEN																	
070700001A01	77*	15	.46	.53	.77	.83	.89	1.01	1.04	1.26	1.26	1.33	1.33	.875	.253	.839	1.358
070700123A01	79	27	.15	.50	.73	1.00	1.04	1.41	1.81	2.01	2.82	3.15	3.15	1.210	.725	1.004	1.946
WATERBURY																	
071240123A01	77*	26	.89	.99	1.44	1.76	1.95	2.18	2.51	2.57	3.31	3.54	3.54	1.889	.785	1.768	1.451
	78	31	.14	.63	1.03	1.50	1.63	1.71	1.90	2.61	3.31	6.64	6.64	1.656	1.171	1.353	1.994
	79	27	.26	.51	.94	1.03	1.17	1.24	1.30	2.00	2.18	2.53	2.53	1.143	.532	1.021	1.666
DELAWARE																	
NEWARK																	
080140001A01	77	29	.07	.16	.26	.38	.41	.44	.60	1.09	1.60	2.51	2.51	.529	.516	.390	2.134
WILMINGTON																	
080260002A01	77	27	.82	.86	1.14	1.40	1.54	1.61	1.69	2.09	2.53	3.07	3.07	1.497	.522	1.420	1.307
FLORIDA																	
DAVIE																	
100910002A01	79	29	.03	.06	.16	.22	.28	.33	.36	.48	.61	.86	.86	.275	.187	.214	2.190
JACKSONVILLE																	
101960002A01	77	28	.30	.44	.64	.79	.82	.88	.97	1.25	2.15	2.72	2.72	.893	.583	.790	1.598
101960049A01	78*	23	.22	.22	.34	.45	.48	.60	.66	.80	.97	1.29	1.29	.513	.259	.460	1.606
	79	26	.08	.17	.22	.29	.35	.51	.59	.85	1.47	1.74	1.74	.467	.410	.351	2.112
MIAMI																	
102700002A01	77*	20	.55	.72	.90	1.09	1.17	1.28	1.30	1.40	1.59	1.61	1.61	1.094	.289	1.056	1.325

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	.15	.34	.57	.73	.88	.96	1.27	1.40	1.62	2.52	2.52	.882	.511	.752	1.825
	78*	23	.20	.27	.43	.58	.66	.74	.79	.90	1.04	1.10	1.10	.607	.245	.557	1.551
	79*	22	.30	.31	.45	.55	.74	.97	1.27	1.38	1.47	1.79	1.79	.793	.445	.681	1.769
GEORGIA																	
ATLANTA																	
110200001A01	77	27	.52	.55	.81	1.03	1.15	1.29	1.63	1.78	2.52	3.28	3.28	1.205	.648	1.071	1.619
	78*	24	.29	.33	.76	.90	1.03	1.18	1.25	1.59	1.72	2.69	2.69	1.028	.516	.909	1.700
COLUMBUS																	
111280001A01	77	28	.22	.39	.43	.49	.52	.63	.71	.77	1.04	2.39	2.39	.615	.396	.549	1.548
SAVANNAH																	
114500001A01	77*	18	.15	.21	.28	.43	.44	.55	.59	.84	.88	1.36	1.36	.510	.304	.438	1.761
HAWAII																	
HONOLULU																	
120120001A01	77	30	.23	.26	.34	.46	.72	.82	.96	1.33	1.74	2.12	2.12	.694	.478	.566	1.892
	79	29	.13	.14	.19	.25	.27	.38	.41	.62	.71	.76	.76	.325	.186	.282	1.697
IDAHO																	
BOISE CITY																	
130220001A01	77	28	.28	.37	.45	.71	.82	.93	1.17	1.32	1.43	1.47	1.47	.783	.371	.699	1.640
	78	26	.02	.28	.43	.57	.74	.79	.94	1.04	1.54	1.82	1.82	.683	.405	.541	2.411
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	.15	.33	.44	.53	.54	.74	.89	.97	1.01	1.32	1.32	.620	.295	.554	1.661
CHICAGO																	
141220001A01	77*	18	.29	.37	.54	.74	.81	.91	1.00	1.37	1.54	1.62	1.62	.832	.406	.741	1.654
MOLINE																	
145120001A01	77*	23	.16	.25	.37	.42	.47	.52	.54	.75	1.11	1.99	1.99	.529	.372	.458	1.661
NORTH CHICAGO																	
145620002A01	77*	23	.15	.21	.35	.60	.65	.66	.70	1.04	1.58	1.92	1.92	.629	.432	.516	1.982

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY
DISCR. LIMIT (UG/M3)
1977 .0118
1978 .0109
1979 .0117

95% CONF. PRECISION (%)
+- 8.0
+- 6.0
+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	.28	.31	.50	.61	.64	.65	.79	.97	1.18	1.22	1.22	.633	.247	.591	1.460
ROCK ISLAND																	
146700001A01	77*	21	.26	.32	.42	.51	.51	.62	.73	1.30	1.38	1.69	1.69	.631	.376	.556	1.625
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	.22	.47	.68	1.08	1.16	1.33	1.84	3.97	4.96	6.87	6.87	1.603	1.586	1.148	2.224
	78*	18	.06	.24	.53	.91	.94	1.08	1.27	1.38	1.94	2.25	2.25	.948	.553	.757	2.264
EVANSVILLE																	
151300002A01	77*	18	.23	.26	.38	.45	.63	.65	.65	.83	.90	.98	.98	.537	.222	.494	1.529
151300006A01	78*	23	.10	.16	.29	.35	.40	.48	.51	.93	1.11	1.50	1.50	.461	.318	.388	1.791
	79*	21	.10	.13	.17	.31	.34	.40	.41	.46	.60	.96	.96	.322	.199	.275	1.762
FORT WAYNE																	
151380003A01	77*	23	.33	.34	.49	.73	.75	.82	.88	1.11	1.22	1.82	1.82	.743	.349	.676	1.557
	78	25	.10	.26	.36	.57	.61	.68	.73	.98	.99	1.27	1.27	.574	.276	.503	1.756
GARY																	
151520001A01	77*	26	.09	.24	.37	.57	.63	.65	.95	1.04	1.29	2.60	2.60	.657	.500	.524	2.015
	78*	25	.03	.13	.29	.42	.54	.66	1.02	1.15	1.43	2.32	2.32	.597	.512	.422	2.524
	79*	21	.06	.07	.19	.26	.30	.35	.40	.45	.48	.66	.66	.277	.152	.232	1.947
HAMMOND																	
151780001A01	78*	24	.26	.26	.48	.62	.74	1.01	1.12	1.42	1.56	1.58	1.58	.787	.416	.683	1.740
	79*	23	.11	.12	.20	.38	.42	.53	.63	.79	.98	2.45	2.45	.488	.487	.363	2.105
151780002A01	77*	20	.20	.31	.53	.62	.72	.96	1.03	1.47	1.47	1.67	1.67	.788	.414	.689	1.724
INDIANAPOLIS																	
152040002A01	77	27	.39	.46	.62	.77	.84	.95	1.24	1.62	2.01	2.36	2.36	.951	.512	.846	1.615
	78*	19	.18	.28	.46	.53	.58	.64	.86	.93	1.36	1.44	1.44	.644	.328	.574	1.644
	79*	19	.16	.19	.30	.47	.47	.48	.59	.72	1.07	1.21	1.21	.482	.277	.420	1.707
NEW ALBANY																	
152980002A01	77*	24	.24	.28	.44	.70	.81	.85	1.35	1.52	1.85	2.06	2.06	.852	.506	.719	1.832
	78*	22	.14	.25	.53	.73	.85	1.16	1.35	1.59	1.83	5.21	5.21	1.042	1.041	.770	2.172
SOUTH BEND																	
153880002A01	77*	27	.24	.34	.46	.60	.62	.78	1.03	1.20	1.34	1.35	1.35	.692	.332	.628	1.616
	78*	23	.18	.28	.42	.57	.60	.63	.70	.94	1.02	1.27	1.27	.573	.255	.521	1.574

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% COMP. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	.21	.25	.36	.40	.42	.51	.65	1.00	1.00	1.14	1.14	.506	.283	.446	1.640
	78*	25	.13	.17	.32	.35	.35	.36	.39	.53	.59	.78	.78	.349	.142	.323	1.515
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	.13	.19	.53	.96	1.13	1.21	1.37	1.70	2.23	3.88	3.88	1.081	.802	.841	2.161
	78*	19	.13	.22	.53	.81	.97	1.01	1.95	2.32	2.67	3.42	3.42	1.143	.903	.847	2.305
BOWLING GREEN																	
180320001A01	77	25	.19	.21	.27	.38	.51	.63	.68	.82	.98	1.15	1.15	.479	.268	.414	1.727
COVINGTON																	
180800001A01	77	28	.32	.42	.57	.71	.75	.80	.87	.99	1.09	1.22	1.22	.713	.222	.678	1.391
	78*	18	.24	.40	.52	.60	.60	.66	.67	.72	1.21	1.89	1.89	.671	.361	.609	1.534
	79	30	.20	.22	.44	.55	.61	.76	.82	1.13	1.70	2.43	2.43	.678	.466	.569	1.804
LEXINGTON																	
182300001A01	77*	23	.29	.34	.47	.58	.64	.68	.73	1.14	1.42	1.43	1.43	.658	.310	.601	1.527
182300003A01	79	29	.12	.13	.29	.34	.36	.42	.48	.56	.68	.75	.75	.372	.162	.336	1.617
LOUISVILLE																	
182380002A01	77	26	.27	.35	.64	.95	1.15	1.27	1.66	2.53	2.59	3.38	3.38	1.179	.825	.940	2.000
182380035A01	79*	16	.21	.23	.35	.43	.71	.74	.91	.96	1.66	2.07	2.07	.699	.525	.556	1.906
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	.26	.35	.59	.87	1.08	1.22	1.52	2.36	2.47	4.26	4.26	1.154	.921	.896	2.042
	78*	24	.33	.39	.64	.95	.96	1.11	1.28	1.78	1.85	2.04	2.04	.995	.478	.886	1.660
IBERVILLE PAR																	
191280002A01	77	24	.03	.04	.07	.12	.14	.17	.18	.22	.25	.38	.38	.133	.081	.110	1.934
	78	28	.06	.07	.11	.12	.13	.14	.15	.16	.28	.36	.36	.133	.062	.123	1.463
NEW ORLEANS																	
192020002A01	77	26	.39	.50	.72	.80	.84	.85	.91	1.05	1.15	1.18	1.18	.798	.207	.778	1.327
	78*	24	.40	.41	.61	.75	.77	.87	.98	1.08	1.13	1.31	1.31	.776	.243	.740	1.382
SHREVEPORT																	
192740001A01	78*	24	.23	.24	.38	.49	.52	.61	.64	.87	1.03	1.17	1.17	.536	.233	.493	1.520

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE PORTLAND 200960004A01	77	26	.10	.21	.28	.38	.48	.52	.65	.76	.83	.87	.87	.453	.219	.399	1.714
	78	27	.10	.18	.26	.38	.42	.48	.55	.66	1.26	1.31	1.31	.434	.292	.363	1.823
	79	23	.03	.05	.13	.19	.21	.26	.28	.32	.40	.46	.46	.202	.113	.168	1.975
MARYLAND BALTIMORE 210120001A01	77	30	.44	.64	.79	.90	1.02	1.05	1.37	1.59	2.30	2.50	2.50	1.067	.480	.983	1.492
	79	26	.49	.54	.79	.97	1.15	1.18	1.24	1.39	1.89	2.16	2.16	1.043	.409	.971	1.468
MASSACHUSETTS BOSTON 220240012A01	78*	26	.11	.45	.62	.88	.99	1.10	1.29	1.44	2.17	2.41	2.41	.972	.527	.835	1.840
	79*	20	.15	.16	.41	.54	.63	.69	.76	1.46	1.63	1.82	1.82	.683	.472	.550	1.997
CAMBRIDGE 220360001A01	78	28	.07	.17	.31	.55	.62	.68	.80	.93	1.46	1.48	1.48	.586	.373	.470	2.064
	79*	21	.12	.13	.27	.39	.42	.47	.53	.83	1.31	1.64	1.64	.480	.378	.383	1.945
FALL RIVER 220580001A01	78	29	.19	.40	.54	.65	.70	.75	.88	1.11	1.14	1.79	1.79	.703	.328	.639	1.574
	79*	15	.10	.23	.52	.67	.68	.74	.81	1.08	1.08	1.56	1.56	.673	.337	.595	1.717
NEW BEDFORD 221500002A01	78	26	.11	.17	.25	.32	.44	.46	.60	.79	.85	.98	.98	.416	.236	.356	1.789
	79	27	.10	.13	.21	.26	.27	.30	.36	.62	.77	.99	.99	.320	.209	.274	1.730
SPRINGFIELD 222160002A01	78	29	.25	.52	.71	1.02	1.15	1.33	1.46	2.36	3.65	8.41	8.41	1.462	1.567	1.086	2.048
	79*	23	.17	.21	.46	.78	.81	.90	1.34	2.25	2.60	3.61	3.61	1.003	.885	.721	2.295
WORCHESTER 222640004A01	77	23	.30	.30	.53	.77	.85	.97	1.18	1.38	1.49	1.86	1.86	.840	.418	.743	1.682
	78	29	.10	.26	.42	.67	.77	.86	.95	1.21	1.95	3.56	3.56	.782	.664	.610	2.039
	79	27	.12	.17	.30	.47	.49	.56	.73	1.01	1.29	1.31	1.31	.529	.329	.439	1.889
MICHIGAN DETROIT 231180001A01	77*	23	.44	.59	.79	.92	1.04	1.08	1.15	1.22	1.52	1.96	1.96	.974	.327	.926	1.385

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.8

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	.38	.38	.46	.51	.64	.69	.79	.89	1.31	1.34	1.34	.661	.299	.610	1.486
	78*	22	.14	.20	.34	.46	.56	.58	.64	.89	1.14	1.33	1.33	.522	.295	.452	1.746
GRAND RAPIDS																	
231820001A01	77*	22	.27	.43	.65	.73	.85	.85	.93	1.28	1.36	2.07	2.07	.816	.381	.746	1.541
LANSING																	
232840001A01	77*	22	.21	.23	.33	.37	.41	.42	.51	.57	.68	.71	.71	.398	.131	.378	1.389
	78*	23	.15	.20	.39	.45	.46	.47	.50	.64	.71	.76	.76	.446	.143	.421	1.439
SAGINAW																	
234760001A01	77	25	.14	.21	.32	.40	.42	.47	.50	.54	.64	.81	.81	.402	.150	.373	1.587
	78*	22	.16	.21	.35	.42	.43	.45	.58	.69	.81	.86	.86	.445	.161	.411	1.516
TRENTON																	
235120004A01	77*	21	.18	.27	.40	.52	.54	.58	.70	.88	1.07	1.50	1.50	.568	.294	.510	1.602
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	.12	.17	.30	.38	.42	.46	.49	.77	1.12	2.31	2.31	.470	.441	.369	1.925
241040017A01	78*	24	.08	.10	.20	.30	.33	.36	.48	.55	.61	.80	.80	.330	.178	.285	1.765
	79*	21	.04	.15	.20	.32	.45	.48	.57	.64	.65	.92	.92	.380	.220	.313	2.007
MINNEAPOLIS																	
242260027A01	77	24	.18	.42	.53	.79	.99	1.54	1.90	2.44	2.68	5.81	5.81	1.267	1.109	.937	2.160
	78	28	.13	.29	.51	.97	.97	1.25	1.34	2.38	6.72	6.90	6.90	1.337	1.661	.838	2.575
ST PAUL																	
243300031A01	77*	24	.42	.50	.90	.95	1.00	1.17	1.41	1.59	3.02	3.86	3.86	1.197	.765	1.048	1.635
	78*	17	.32	.45	.52	.72	.87	1.14	1.47	1.70	2.18	2.77	2.77	1.010	.676	.843	1.829
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	.22	.38	.53	.63	.78	.83	1.10	1.24	1.27	1.56	1.56	.747	.342	.673	1.615
	78	31	.30	.40	.53	.62	.67	.77	1.20	1.38	1.42	2.05	2.05	.781	.412	.690	1.595

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	.24	.30	.51	.56	.65	.84	.95	1.31	1.75	1.91	1.91	.733	.419	.636	1.713
ST LOUIS																	
264280001A01	77	27	.29	.42	.56	.93	1.01	1.07	1.12	1.24	1.44	1.71	1.71	.893	.359	.813	1.591
MONTANA																	
HELENA																	
270720001A01	77*	20	.05	.08	.19	.26	.39	.51	.55	1.39	1.46	2.94	2.94	.534	.685	.315	2.774
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	.12	.17	.26	.33	.42	.45	.49	.57	.76	.83	.83	.381	.181	.342	1.615
	78	25	.17	.19	.21	.29	.32	.34	.37	.43	.53	.55	.55	.300	.103	.284	1.391
OMAHA																	
281880034A01	77*	17	.38	.38	.50	.82	.83	1.02	1.48	2.08	2.33	2.60	2.60	1.023	.697	.845	1.859
	78*	15	.29	.30	.46	.60	.71	.88	1.10	2.29	2.29	5.71	5.71	1.080	1.377	.734	2.201
	79	29	.06	.21	.31	.49	.56	.65	.66	1.21	3.28	4.15	4.15	.735	.885	.498	2.309
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	.42	.53	.94	1.02	1.10	1.32	2.81	2.89	3.57	3.86	3.86	1.487	1.012	1.229	1.843
	78*	21	.23	.23	.47	.66	.78	.92	1.19	1.48	1.85	1.93	1.93	.819	.510	.678	1.904
	79*	25	.16	.31	.43	.66	.73	1.06	1.25	1.57	2.08	2.72	2.72	.853	.614	.685	1.966
RENO																	
290480001A01	77*	23	.22	.23	.44	.54	.64	.70	1.02	2.63	4.38	4.38	4.38	1.069	1.217	.701	2.361
	78	26	.19	.29	.45	.53	.57	.73	1.15	1.42	2.30	3.89	3.89	.874	.828	.655	2.058
	79	30	.05	.08	.26	.32	.37	.45	.63	.73	1.01	1.12	1.12	.412	.271	.324	2.155
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	.08	.10	.24	.39	.52	.58	.76	1.04	1.28	1.29	1.29	.518	.378	.389	2.307
	79*	15	.05	.06	.10	.21	.21	.22	.23	.36	.36	.36	.36	.183	.104	.153	1.945

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)
1977 .0118 +- 8.0
1978 .0109 +- 6.0
1979 .0117 +-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	.29	.52	.68	.78	.81	.89	1.02	1.14	1.38	1.57	1.57	.823	.273	.780	1.408
	78	23	.19	.24	.52	.64	.72	.81	.94	1.11	1.38	2.43	2.43	.732	.480	.615	1.832
CAMDEN																	
310720001A01	77*	21	.35	.70	.83	.94	1.04	1.17	1.33	1.57	1.70	2.52	2.52	1.088	.462	1.007	1.498
	78	28	.28	.39	.55	.81	.89	1.20	1.28	1.71	1.96	3.10	3.10	.954	.621	.803	1.805
CAMDEN CO																	
310740003A01	77*	24	.22	.25	.39	.67	.73	.82	.88	1.25	1.41	2.17	2.17	.727	.448	.617	1.792
	78*	23	.11	.18	.29	.36	.43	.60	.82	.90	1.31	1.83	1.83	.538	.405	.431	1.954
ELIZABETH																	
311300002A01	78	29	.26	.39	.65	.81	.89	.98	1.31	1.63	2.05	3.05	3.08	.992	.616	.838	1.810
	79*	22	.38	.45	.64	.76	.86	1.02	1.25	1.40	1.50	2.26	2.26	.912	.442	.827	1.559
GLASSBORO																	
311700001A01	77*	21	.13	.24	.32	.42	.43	.51	.63	.70	.77	1.12	1.12	.464	.221	.419	1.600
	78	27	.08	.15	.22	.28	.41	.53	.68	.97	1.33	1.63	1.63	.489	.401	.365	2.184
	79*	22	.12	.17	.31	.34	.36	.42	.49	.67	.79	.90	.90	.395	.189	.357	1.585
JERSEY CITY																	
312320001A01	77*	23	.26	.42	.82	.92	.98	1.15	1.19	1.31	1.32	1.70	1.70	.956	.315	.896	1.492
	78*	23	.31	.33	.55	.90	.98	1.15	1.16	1.56	1.65	3.01	3.01	.961	.593	.824	1.756
	79*	17	.16	.22	.29	.51	.52	.62	.75	.79	.84	1.01	1.01	.497	.253	.436	1.719
NEWARK																	
313480001A01	77*	21	.52	.57	.70	.97	1.14	1.17	1.37	1.77	1.86	2.04	2.04	1.068	.430	.993	1.474
	78	26	.31	.37	.58	.87	.96	1.15	1.24	1.95	2.47	2.70	2.70	1.043	.689	.861	1.874
	79	26	.15	.23	.46	.63	.76	.82	1.04	1.27	1.42	2.38	2.38	.748	.482	.623	1.883
PATERSON																	
314140001A01	77*	16	.61	1.29	1.51	1.58	1.76	1.93	2.10	2.11	2.84	3.05	3.05	1.763	.592	1.664	1.444
314140005A01	78*	17	.30	.70	1.05	1.24	1.41	1.73	1.83	1.90	2.96	4.41	4.41	1.540	.945	1.330	1.742
	79*	19	.29	.33	.56	.79	.82	.84	.98	1.15	1.25	2.79	2.79	.835	.544	.725	1.687
PERTH AMBOY																	
314220001A01	77	27	.39	.48	.67	.88	.91	.95	1.15	1.26	1.49	1.70	1.70	.879	.321	.823	1.457
	78	28	.11	.27	.41	.61	.64	.80	.87	1.38	1.50	1.58	1.58	.693	.402	.578	1.925
TRENTON																	
315400001A01	77*	19	.40	.49	.57	.72	.76	.90	1.09	1.37	1.76	2.53	2.53	.906	.529	.801	1.620
	78	31	.08	.14	.27	.50	.58	.62	.75	.94	1.28	2.30	2.30	.584	.484	.440	2.195

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY — DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)
1977 .0118 +- 8.0
1978 .0109 +- 6.0
1979 .0117 +-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	.18	.19	.28	.55	.56	.62	.78	.83	.84	.98	.98	.517	.252	.453	1.734
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	.54	.55	.73	.92	.98	1.32	1.48	2.71	2.80	4.13	4.13	1.267	.903	1.055	1.786
	78*	22	.30	.39	.58	.66	.73	.82	1.10	1.37	1.95	1.95	1.95	.829	.447	.738	1.613
NEW YORK																	
ALBANY																	
330040001A01	79*	16	.13	.14	.25	.36	.46	.48	.54	.78	1.03	1.20	1.20	.457	.312	.374	1.920
BUFFALO																	
330660001A01	79*	19	.12	.23	.30	.39	.40	.42	.45	.55	.71	.92	.92	.403	.181	.368	1.557
NIAGARA FALLS																	
334740001A01	79	30	.10	.11	.18	.21	.23	.28	.30	.35	.46	.50	.50	.238	.103	.218	1.524
ROCHESTER																	
335760001A01	79*	19	.32	.32	.36	.42	.45	.49	.52	.56	.61	.62	.62	.439	.188	.428	1.252
SYRACUSE																	
336620001A01	79*	27	.25	.42	.50	.56	.62	.73	.82	.85	1.18	1.38	1.38	.646	.261	.608	1.475
UTICA																	
336880001A01	79	28	.18	.24	.34	.40	.47	.51	.54	.58	.90	1.01	1.01	.454	.184	.423	1.468
YONKERS																	
337620001A01	79*	21	.14	.14	.45	.83	.97	1.03	1.44	1.68	1.82	2.37	2.37	.904	.600	.702	2.204
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	.23	.26	.51	.57	.64	.69	.76	.79	.90	3.60	3.60	.692	.606	.588	1.657
	78	30	.24	.26	.42	.61	.65	.76	.79	1.04	1.08	1.33	1.33	.632	.283	.572	1.590
	79	29	.21	.23	.32	.43	.49	.54	.60	.95	1.45	1.72	1.72	.552	.367	.469	1.742
DURHAM																	
341160001A01	78*	23	.20	.26	.36	.51	.59	.64	.80	1.01	1.27	1.35	1.35	.581	.312	.511	1.670
	79	28	.16	.22	.32	.43	.53	.57	.72	1.13	1.34	1.40	1.40	.568	.366	.473	1.846
341160006A01	77	27	.37	.51	.76	.91	.98	1.08	1.18	1.54	2.01	4.03	4.03	1.052	.702	.920	1.635

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	.33	.52	.88	1.03	1.09	1.25	1.48	1.92	2.06	3.06	3.06	1.152	.607	1.022	1.686
	78*	25	.31	.33	.64	.91	.96	1.09	1.21	1.32	1.74	1.78	1.78	.878	.409	.784	1.654
MOREHEAD CITY																	
342720002A01	78	28	.02	.04	.06	.09	.10	.12	.13	.16	.22	.23	.23	.100	.052	.087	1.717
	79*	26	LD	.02	.04	.06	.07	.09	.10	.13	.16	.20	.20	.074	.047	.057	2.351
WINSTON-SALEM																	
344460002A01	77	29	.29	.46	.63	.75	.75	.82	1.03	1.13	1.40	1.84	1.84	.799	.334	.740	1.488
	78	29	.28	.32	.47	.60	.69	.76	.95	1.12	1.45	1.79	1.79	.697	.366	.618	1.642
	79	25	.13	.17	.28	.47	.53	.62	.69	.94	1.06	1.24	1.24	.513	.296	.430	1.889
OHIO																	
AKRON																	
360060014A01	77	26	.28	.35	.46	.50	.61	.65	.72	.79	.82	1.03	1.03	.573	.188	.546	1.373
	78	26	.13	.23	.35	.44	.49	.53	.66	.73	1.19	1.65	1.65	.521	.326	.446	1.761
	79	25	.07	.14	.28	.36	.43	.46	.49	.78	.79	.91	.91	.392	.206	.338	1.799
CANTON																	
361000001A01	77*	27	.26	.33	.52	.58	.60	.63	.69	.71	.80	.83	.83	.578	.149	.547	1.387
	78*	25	.13	.21	.31	.39	.52	.57	.65	.92	1.11	1.31	1.31	.498	.301	.421	1.822
	79	27	.10	.14	.24	.32	.38	.46	.52	.53	.60	.87	.87	.354	.183	.309	1.739
CINCINNATI																	
361220001A01	77	29	.39	.46	.60	.66	.71	.82	1.10	1.29	1.63	1.80	1.80	.825	.384	.753	1.522
	78	30	.13	.25	.48	.53	.59	.62	.64	.71	1.07	2.00	2.00	.588	.329	.524	1.632
	79	28	.24	.33	.49	.62	.71	.83	.97	1.33	1.70	3.87	3.87	.835	.707	.678	1.836
361220019A01	78*	18	.16	.37	.50	.64	.70	.78	.93	1.26	1.38	2.20	2.20	.767	.469	.658	1.778
	79*	17	.36	.37	.48	.60	.68	.76	.85	1.09	1.26	1.35	1.35	.692	.301	.638	1.506
CLEVELAND																	
361300001A01	77*	19	.43	.46	.67	.83	.84	.96	1.04	1.15	1.40	1.87	1.87	.872	.350	.814	1.452
	78	26	.16	.24	.41	.54	.60	.74	1.00	1.28	1.48	1.83	1.83	.681	.427	.570	1.852
	79*	25	.07	.12	.18	.28	.29	.38	.44	.52	.52	.96	.96	.310	.194	.260	1.867
COLUMBUS																	
361460001A01	77	25	.36	.40	.56	.74	.79	.88	1.00	1.14	1.48	2.31	2.31	.793	.418	.715	1.566
	78*	26	.23	.26	.45	.59	.64	.68	.95	1.02	1.59	1.66	1.66	.684	.393	.592	1.724
	79*	24	.04	.12	.21	.30	.34	.47	.55	.65	.66	1.08	1.08	.375	.236	.307	2.001

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	.43	.46	.56	.83	.97	1.09	1.13	1.40	2.26	2.75	2.75	.976	.565	.857	1.651
	78	26	.17	.30	.48	.57	.61	.63	.73	.80	1.12	1.61	1.61	.616	.295	.555	1.608
MANSFIELD																	
363840008A01	77*	25	.07	.15	.21	.31	.33	.39	.47	.50	.53	.98	.98	.323	.191	.277	1.778
	78	29	.02	.09	.17	.28	.30	.31	.40	.61	.68	.79	.79	.310	.195	.243	2.264
	79	29	.03	.05	.11	.14	.17	.20	.24	.35	.52	.55	.55	.187	.136	.147	2.068
PORTSMOUTH																	
365620002A01	77	27	.13	.17	.24	.38	.46	.50	.53	.64	.78	.88	.88	.406	.195	.361	1.667
	78	27	.04	.14	.23	.35	.36	.43	.51	.62	1.15	1.41	1.41	.403	.299	.317	2.113
	79	28	.07	.15	.18	.25	.28	.31	.44	.64	.73	1.19	1.19	.331	.239	.273	1.841
STEUBENVILLE																	
366420012A01	77*	21	.13	.23	.49	.72	.80	.84	.93	1.07	1.15	1.28	1.28	.700	.313	.610	1.828
	78	24	.19	.22	.31	.48	.61	.76	.83	1.03	1.21	2.47	2.47	.633	.487	.514	1.894
	79	28	LD	.08	.17	.35	.59	.67	.74	1.06	1.40	1.50	1.50	.501	.419	.307	3.403
TOLEDO																	
366600001A01	77*	24	.26	.26	.36	.42	.53	.60	.68	.83	.84	1.18	1.18	.520	.227	.479	1.508
366600006A01	78*	20	.12	.22	.32	.39	.48	.61	.62	.65	.84	.91	.91	.460	.210	.413	1.639
	79	29	.08	.15	.19	.26	.30	.34	.39	.41	.69	.72	.72	.292	.154	.259	1.653
YOUNGSTOWN																	
367760001A01	77	26	.28	.32	.38	.52	.65	.69	.84	.89	.97	1.47	1.47	.606	.274	.555	1.530
	78	27	.12	.26	.36	.46	.52	.57	.63	.85	1.00	1.08	1.08	.504	.240	.450	1.653
	79	26	.13	.19	.24	.28	.36	.47	.55	.62	.81	.82	.82	.384	.207	.336	1.686
OKLAHOMA																	
TAHLEQUAH																	
372080480A01	77*	19	.03	.05	.07	.07	.08	.08	.11	.13	.17	.21	.21	.089	.044	.081	1.581
TULSA																	
373000110A01	77	24	.17	.20	.35	.50	.56	.61	.65	.78	1.01	1.25	1.25	.530	.254	.475	1.635
	78*	21	.16	.20	.25	.36	.39	.40	.50	.97	1.15	1.15	1.15	.445	.302	.374	1.772
OREGON																	
PORTLAND																	
381460001A01	77	28	.23	.27	.49	.63	.70	.82	.93	1.34	1.77	4.23	4.23	.833	.772	.659	1.898
	78*	24	.16	.27	.41	.53	.80	.86	1.02	1.61	2.00	2.49	2.49	.790	.575	.634	1.961

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)
1977 .0118 +- 8.0
1978 .0109 +- 6.0
1979 .0117 +-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN 390120001A01	77	29	.07	.36	.70	.77	.87	.91	.99	1.13	1.38	1.55	1.55	.795	.314	.718	1.772
	78*	19	.23	.26	.35	.49	.56	.67	.73	.88	.96	1.34	1.34	.567	.290	.504	1.649
ALTOONA 390140001A01	77*	22	.20	.28	.48	.56	.63	.65	.81	.93	.95	1.39	1.39	.621	.269	.567	1.566
BETHLEHEM 390780002A01	77	25	.24	.34	.53	.67	.70	.81	.82	.96	1.01	1.17	1.17	.660	.241	.612	1.518
	78*	24	.16	.23	.37	.50	.53	.69	.75	1.18	1.72	2.53	2.53	.678	.536	.543	1.923
ERIE 393060002A01	77	25	.08	.15	.22	.26	.46	.51	.54	.59	.60	.60	.60	.356	.180	.298	2.032
HARRISBURG 393880361A01	77	30	.24	.31	.66	.93	.99	1.09	1.35	1.94	2.21	2.60	2.60	1.044	.576	.900	1.771
	78	26	.16	.27	.35	.44	.56	.61	.69	.87	1.16	2.01	2.01	.575	.375	.494	1.714
HAZLETON 393960001A01	77	25	.37	.49	.65	.72	.74	.92	1.11	1.14	1.19	1.48	1.48	.805	.273	.762	1.404
	78	28	.17	.27	.48	.61	.72	.79	.81	.90	1.14	1.72	1.72	.649	.324	.574	1.696
JOHNSTOWN 394460803A01	77*	22	.22	.50	.67	.87	.89	.93	1.00	1.25	1.87	2.03	2.03	.893	.411	.811	1.584
LANCASTER CITY 394660002A01	77*	19	.32	.48	.53	.60	.62	.65	.72	.99	1.00	1.07	1.07	.644	.193	.619	1.335
PHILADELPHIA 397140004A01	77	28	.46	.72	.99	1.20	1.25	1.37	1.51	2.10	2.62	2.72	2.72	1.316	.573	1.209	1.519
PITTSBURGH 397260001A01	77*	20	.60	.65	.76	.89	.97	1.11	1.27	1.95	2.07	3.11	3.11	1.147	.615	1.038	1.535
READING 397620001A01	77	29	.29	.38	.60	.75	.78	.88	1.05	1.29	1.75	1.93	1.93	.814	.387	.736	1.577
	78	29	.19	.23	.47	.58	.62	.76	.94	1.38	1.65	3.72	3.72	.764	.683	.598	1.962
SCRANTON 398040001A01	77	28	.65	1.12	1.38	1.83	2.06	2.23	2.49	2.83	4.79	5.29	5.29	2.051	1.025	1.854	1.569
WARMINSTER 399160002A01	77*	23	.26	.27	.52	.69	.79	.90	1.04	1.16	1.52	2.09	2.09	.799	.413	.712	1.637

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0118; 1978 .0109; 1979 .0117
95% CONF. PRECISION (%): +- 8.0; +- 6.0; +-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	.16	.24	.40	.45	.50	.57	.68	.77	.85	1.21	1.21	.511	.219	.470	1.527
WILKES-BARRE																	
399430001A01	77	30	.28	.43	.58	.74	.78	.84	.92	1.16	1.81	1.85	1.85	.791	.361	.724	1.523
YORK																	
399560322A01	77	30	.29	.41	.54	.61	.69	.73	.79	1.07	1.52	2.00	2.00	.722	.353	.662	1.492
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	.08	.09	.10	.11	.11	.14	.16	.17	.22	.31	.31	.129	.052	.122	1.382
	78	28	.03	.07	.11	.13	.14	.15	.16	.17	.19	.21	.21	.128	.039	.121	1.463
	79*	22	.06	.08	.11	.12	.13	.15	.18	.21	.23	.26	.26	.140	.050	.132	1.433
GUAYNABO CO																	
401140001A01	77	28	.76	1.00	1.38	1.76	1.89	2.08	2.15	2.47	2.73	2.89	2.89	1.790	.544	1.703	1.394
	78*	25	.28	.57	1.21	1.45	1.57	2.23	2.39	2.83	3.01	3.11	3.11	1.624	.810	1.400	1.831
	79*	19	.49	.71	1.32	1.61	1.66	1.84	2.23	2.46	2.96	3.03	3.03	1.668	.706	1.513	1.613
PONCE																	
401920002A01	77*	24	.49	.59	.73	.78	.82	.92	1.08	1.24	1.32	1.58	1.58	.880	.258	.848	1.319
	78	27	.35	.38	.71	.96	1.03	1.11	1.15	1.23	1.41	1.58	1.58	.925	.324	.861	1.507
	79	22	.52	.58	.74	.86	.90	.94	.96	1.29	1.36	1.36	1.36	.887	.244	.856	1.308
SABANA SECA																	
402065001A01	77*	26	.41	.48	.62	.66	.76	.78	.87	.94	.99	1.20	1.20	.711	.190	.688	1.305
SAN JUAN CO																	
402160001A01	77*	24	.70	.76	.96	1.31	1.37	1.44	1.47	2.04	2.06	2.19	2.19	1.307	.423	1.245	1.377
	78*	16	.30	.46	.75	.82	1.12	1.13	1.27	1.29	1.71	3.50	3.50	1.084	.733	.929	1.736
402160003A01	79	26	.99	1.06	1.85	2.53	3.06	3.41	3.57	4.15	4.40	6.30	6.30	2.706	1.271	2.419	1.645
TOA BAJA CO																	
402320002A01	78*	18	.36	.40	.44	.59	.75	.85	.86	1.07	1.17	2.25	2.25	.758	.446	.673	1.602
	79	27	.29	.35	.42	.56	.68	.75	.79	.88	1.23	1.68	1.68	.652	.316	.592	1.548
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	28	.41	.42	.52	.64	.76	.87	.97	.99	1.24	1.34	1.34	.740	.270	.696	1.429
	78*	19	.24	.32	.96	1.13	1.14	1.25	1.47	1.62	2.36	4.28	4.28	1.256	.886	1.025	1.967

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY

DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	.29	.48	.82	1.12	1.16	1.38	1.66	1.99	2.13	2.59	2.59	1.224	.575	1.080	1.685
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	.35	.41	.64	.73	.76	1.08	1.47	2.00	2.71	3.45	3.45	1.046	.786	.861	1.813
	79*	21	.08	.17	.37	.61	.63	.97	2.03	2.58	2.64	3.22	3.22	1.007	.971	.650	2.679
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	.21	.22	.33	.39	.43	.51	.63	.71	.91	1.62	1.62	.512	.317	.450	1.628
	78*	22	.19	.21	.31	.36	.41	.46	.57	.59	.71	.89	.89	.422	.176	.390	1.496
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	.27	.34	.47	.60	.64	.85	.87	1.08	1.37	1.90	1.90	.723	.365	.682	1.573
440380020A01	78	29	.15	.24	.40	.46	.56	.69	.81	.99	1.78	2.53	2.53	.667	.509	.540	1.895
	79	30	.12	.20	.29	.40	.45	.49	.52	.55	.86	1.40	1.40	.436	.247	.385	1.661
KNOXVILLE																	
441740002A01	77*	22	.37	.40	.62	.78	.88	.97	1.13	2.09	2.48	3.90	3.90	1.031	.819	.850	1.790
441740003A01	78	29	.27	.42	.64	.86	.89	1.03	1.16	1.82	2.15	2.56	2.56	.993	.580	.853	1.751
MEMPHIS																	
442340001A01	77*	15	.66	.71	1.02	1.72	1.82	2.09	2.12	2.65	2.65	5.57	5.57	1.787	1.229	1.509	1.783
	78*	19	.17	.18	.36	.59	.75	.79	.84	.85	.94	1.27	1.27	.609	.306	.521	1.859
442340013A01	79*	17	.06	.10	.25	.35	.37	.43	.50	.88	1.00	1.37	1.37	.440	.342	.335	2.210
NASHVILLE																	
442540001A01	77*	21	.25	.30	.46	.56	.69	.71	1.16	1.45	2.28	2.46	2.46	.804	.609	.653	1.877
TEXAS																	
AMARILLO																	
450070002A01	77*	21	.10	.11	.15	.20	.27	.30	.33	.50	.59	.63	.63	.260	.153	.225	1.717
	78*	17	.13	.14	.17	.21	.23	.25	.31	.48	.49	.72	.72	.268	.156	.238	1.603
AUSTIN																	
450220010A01	77*	17	.29	.33	.51	.61	.62	.68	.69	.75	.89	.98	.98	.600	.182	.573	1.383
	78	22	.22	.34	.47	.80	.88	.90	.96	1.24	1.24	2.21	2.21	.782	.447	.674	1.759

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	.28	.32	.41	.52	.53	.59	.62	.76	.82	.96	.96	.524	.171	.499	1.374
	78	25	.27	.36	.49	.59	.61	.87	.98	1.32	1.35	1.35	1.35	.694	.329	.625	1.589
CORPUS CHRISTI																	
451150001A01	77	26	.27	.29	.35	.48	.60	.69	.75	.88	1.44	1.84	1.84	.618	.375	.531	1.670
	78	26	.30	.34	.45	.68	.96	1.04	1.11	1.18	1.61	1.71	1.71	.788	.412	.688	1.717
DALLAS																	
451310002A01	77*	21	.55	.80	1.11	1.31	1.34	1.51	1.70	2.18	2.41	5.12	5.12	1.525	.933	1.361	1.573
EL PASO																	
451700002A01	78*	17	.28	.53	.70	1.05	1.34	1.52	1.65	1.91	2.44	3.60	3.60	1.275	.833	1.057	1.988
FORT WORTH																	
451880001A01	77	26	.49	.59	.64	.73	.84	.88	1.14	1.26	1.48	1.73	1.73	.862	.329	.811	1.413
	78	23	.38	.40	.48	.74	.81	.90	.96	1.31	1.70	3.12	3.12	.865	.590	.746	1.676
HOUSTON																	
452560001A01	77*	15	.56	.65	1.06	1.25	1.46	1.95	2.15	2.38	2.38	2.69	2.69	1.468	.692	1.309	1.669
	78	25	.58	.64	1.17	1.45	1.64	1.92	2.03	2.29	2.53	4.32	4.32	1.563	.815	1.304	1.663
LUBBOCK																	
453340001A01	77*	21	.15	.16	.20	.29	.30	.37	.42	.45	.58	.67	.67	.309	.142	.282	1.536
	78	25	.11	.18	.21	.25	.29	.33	.37	.40	.46	.47	.47	.275	.100	.257	1.467
PASADENA																	
454060002A01	77*	27	.23	.35	.65	.84	.89	.93	1.03	1.32	1.39	2.09	2.09	.852	.392	.766	1.635
	78*	23	.17	.18	.68	.97	1.03	1.20	1.37	1.53	1.66	1.85	1.85	.988	.446	.861	1.838
SAN ANTONIO																	
454570034A01	77*	23	.56	.57	.80	1.09	1.11	1.27	1.35	2.45	3.15	3.39	3.39	1.268	.761	1.114	1.635
	78	26	.57	.62	.85	1.04	1.21	1.37	1.66	2.26	2.93	3.24	3.24	1.319	.749	1.155	1.665
WICHITA FALLS																	
455560002A01	77	29	.14	.18	.32	.41	.46	.49	.56	.77	.95	1.21	1.21	.461	.253	.403	1.703
	78	26	.09	.13	.22	.33	.41	.45	.48	.52	.65	.87	.87	.353	.193	.301	1.827
UTAH																	
OGDEN																	
460680001A01	77*	22	.23	.40	.60	1.01	1.07	1.45	1.86	2.95	3.38	3.55	3.55	1.319	.956	1.030	2.084
	78	29	.29	.36	.75	1.00	1.13	1.18	1.42	1.51	2.31	2.53	2.53	1.057	.560	.916	1.760

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	.35	.45	.82	1.07	1.20	2.02	2.08	2.56	3.94	4.88	4.88	1.540	1.130	1.234	1.983
	78*	25	.03	.59	.83	1.16	1.36	1.55	1.86	2.86	2.90	3.02	3.02	1.368	.834	1.054	2.553
VERMONT																	
BURLINGTON																	
470140003A01	77	26	.41	.46	.67	.75	.87	.91	1.00	1.05	1.13	1.14	1.14	.794	.215	.763	1.343
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	.20	.25	.37	.42	.45	.52	.74	1.03	1.57	1.80	1.80	.568	.402	.476	1.764
	78	27	.05	.18	.30	.43	.45	.56	.67	.67	.76	.80	.80	.441	.204	.382	1.855
FAIRFAX CO																	
481060001A01	77*	27	.21	.32	.47	.83	.87	.97	1.25	1.54	1.63	2.14	2.14	.861	.475	.738	1.800
HAMPTON																	
481440001A01	77	30	.17	.22	.27	.45	.45	.50	.62	.90	1.43	1.69	1.69	.520	.347	.441	1.754
LYNCHBURG																	
481840002A01	77	30	.20	.21	.31	.47	.57	.64	.79	.99	1.34	1.51	1.51	.562	.340	.478	1.770
	78	29	.11	.15	.29	.35	.47	.59	.79	1.10	1.25	1.31	1.31	.513	.350	.411	1.983
NORFOLK																	
482140001A01	77	29	.26	.35	.47	.54	.58	.65	.69	.82	1.08	1.31	1.31	.585	.229	.548	1.443
	78	29	.18	.21	.34	.46	.52	.66	.71	.81	1.14	1.36	1.36	.538	.294	.468	1.710
	79	29	.11	.25	.36	.50	.50	.77	.85	.92	.98	1.02	1.02	.565	.274	.494	1.753
PORTSMOUTH																	
482440001A01	77	30	.18	.32	.45	.53	.58	.69	.82	.92	1.06	1.46	1.46	.613	.270	.560	1.546
	78*	25	.30	.37	.49	.54	.60	.73	.81	1.44	1.48	2.60	2.60	.738	.512	.631	1.693
RICHMOND																	
482660002A01	77	30	.35	.54	.70	.79	.86	.94	1.07	1.64	1.97	2.44	2.44	.940	.468	.856	1.528
ROANOKE																	
482700003A01	77	29	.26	.34	.43	.73	.82	1.02	1.16	1.26	3.13	3.75	3.75	.968	.856	.748	1.982

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	.31	.33	.72	1.05	1.31	1.62	1.82	1.91	2.34	2.43	3.14	3.14	1.464	.691	1.306	1.657
	78	30	.38	.53	.65	.86	.94	1.06	1.21	1.58	1.72	2.22	2.22	.941	.423	.861	1.529
SPOKANE																	
492040001A01	77*	26	.26	.27	.36	.42	.54	.68	.76	.83	.92	.96	.96	.531	.225	.488	1.521
	78	27	.19	.20	.32	.36	.37	.41	.50	.65	.83	1.05	1.05	.414	.205	.376	1.544
	79*	25	.23	.24	.32	.43	.46	.49	.58	.72	.88	1.39	1.39	.470	.252	.423	1.556
TACOMA																	
492140001A01	77	28	.32	.41	.53	.76	.87	1.15	1.36	1.69	2.03	2.19	2.19	.946	.521	.823	1.707
	78	30	.33	.38	.46	.64	.70	.83	.97	1.08	1.62	1.65	1.65	.710	.349	.641	1.568
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	.33	.39	.58	.74	.81	.89	1.13	1.27	1.43	1.65	1.65	.796	.352	.723	1.567
	78*	23	.19	.39	.48	.67	.75	.81	1.03	2.95	4.27	6.86	6.86	1.205	1.545	.789	2.279
SOUTH CHARLEST																	
501760001A01	77	29	.12	.20	.36	.46	.52	.58	.79	.83	.94	1.53	1.53	.524	.304	.445	1.822
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	.15	.19	.22	.32	.33	.36	.49	.66	.74	.98	.98	.382	.221	.334	1.679
	78	25	.06	.12	.16	.24	.28	.30	.34	.37	.45	1.13	1.13	.270	.206	.224	1.838
	79	29	.04	.06	.09	.11	.11	.15	.16	.27	.53	.63	.63	.158	.138	.125	1.905
KENOSHA																	
511540001A01	77*	23	.08	.18	.31	.44	.53	.56	.64	.79	.87	.97	.97	.477	.228	.418	1.779
511540003A01	78	30	.06	.15	.28	.40	.48	.49	.58	.70	.90	.95	.95	.427	.216	.368	1.836
	79	27	.10	.12	.13	.22	.24	.26	.35	.40	.55	.83	.83	.250	.166	.213	1.731
MADISON																	
511860001A01	77	28	.14	.26	.39	.53	.66	.76	.83	.96	1.07	1.30	1.30	.597	.292	.525	1.716
	78	29	.09	.15	.29	.42	.43	.53	.58	.63	.76	.84	.84	.418	.197	.365	1.781
	79*	26	.04	.12	.17	.19	.21	.22	.33	.37	.47	.54	.54	.227	.116	.200	1.699
MILWAUKEE																	
512200099A01	77	26	.42	.57	.66	.72	.97	1.01	1.25	1.44	1.71	1.87	1.87	.943	.399	.871	1.495
	78	25	.28	.35	.65	.85	.92	.95	1.09	1.56	1.63	2.26	2.26	.881	.443	.784	1.649
	79	29	.18	.23	.32	.49	.54	.68	.78	.90	.96	1.20	1.20	.549	.270	.486	1.676

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	.13	.18	.22	.28	.40	.52	.56	.73	1.05	1.47	1.47	.424	.300	.330	1.838
	78	29	.10	.12	.32	.39	.40	.43	.47	.64	.83	.88	.88	.403	.198	.351	1.773
	79	29	.05	.05	.16	.18	.23	.24	.28	.33	.40	.69	.69	.209	.133	.172	1.960
SUPERIOR																	
513480001A01	77	21	.03	.10	.12	.19	.21	.29	.34	.38	.42	.76	.76	.231	.161	.189	1.947
	78	26	.05	.08	.12	.15	.16	.20	.24	.26	.40	.45	.45	.176	.098	.152	1.744
513480006A01	79	28	.11	.17	.24	.32	.33	.36	.43	.51	.56	.57	.57	.328	.130	.302	1.534

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	.034	.079	.090	.098	.185	.215	.269	.294	.298	.298	.1279	.0876	.0955	2.454
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	.028	.029	.046	.068	.077	.082	.086	.112	.144	.162	.162	.0718	.0343	.0646	1.604
DELAWARE																	
KENT CO																	
080060001A03	77	29	.053	.064	.095	.128	.133	.185	.207	.262	.405	.441	.441	.1578	.1010	.1328	1.772
	78	30	.030	.043	.079	.133	.190	.258	.304	.382	.520	.669	.669	.1949	.1549	.1429	2.296
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	LD	.029	.041	.051	.057	.065	.068	.084	.107	.107	.0453	.0258	.0355	2.323
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	LD	.027	.045	.067	.068	.075	.082	.089	.091	.091	.0494	.0289	.0375	2.441
	78	29	LD	.019	.030	.042	.049	.053	.058	.071	.097	.107	.107	.0445	.0239	.0372	1.998
INDIANA																	
MONROE CO																	
152800001A03	77*	18	.056	.070	.106	.119	.126	.146	.166	.197	.208	.398	.398	.1405	.0754	.1273	1.546
	78*	20	.034	.062	.090	.109	.124	.138	.175	.226	.235	.271	.271	.1307	.0642	.1162	1.665
	79	28	LD	LD	.030	.051	.056	.064	.077	.195	.234	.647	.647	.0888	.1271	.0487	3.042
PARKE CO																	
153260001A03	77*	22	.046	.060	.075	.083	.090	.104	.178	.214	.242	.275	.275	.1125	.0646	.0991	1.635

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	LD	.022	.038	.057	.082	.099	.124	.149	.191	.191	.0608	.0503	.0409	2.682
	78*	23	LD	.015	.029	.045	.056	.068	.076	.105	.190	.191	.191	.0603	.0480	.0459	2.199
	79*	19	LD	LD	LD	.022	.023	.026	.040	.060	.073	.115	.115	.0283	.0288	.0179	2.716
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	.028	.053	.094	.167	.200	.209	.218	.244	.335	.390	.390	.1669	.0913	.1396	1.935
	78*	23	.030	.034	.093	.135	.206	.221	.241	.270	.273	.582	.582	.1692	.1210	.1327	2.112
	79	25	.018	.051	.076	.109	.114	.127	.146	.174	.190	.216	.216	.1064	.0482	.0944	1.717
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	.051	.051	.087	.116	.124	.140	.170	.191	.250	.262	.262	.1258	.0610	.1121	1.650
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	.040	.043	.064	.073	.082	.087	.112	.142	.146	.192	.192	.0857	.0379	.0789	1.505
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.049				
ROSEBUD CO																	
271360026A03	77*	24	LD	LD	LD	.018	.019	.022	.023	.029	.030	.032	.032	.0160	.0094	.0130	2.009
	78*	24	LD	LD	LD	.019	.020	.022	.024	.034	.048	.051	.051	.0179	.0133	.0133	2.250
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.056				
	78*	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.031				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	.016	.030	.042	.049	.063	.081	.137	.137	.155	.155	.0549	.0405	.0412	2.320
	78*	19	LD	LD	.022	.035	.041	.046	.060	.076	.081	.101	.101	.0309	.0281	.0273	2.661

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

NONURBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0118	+- 8.0
1978	.0109	+- 6.0
1979	.0117	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE COOS CO 300140001A03	79*	16	LD	LD	LD	.022	.025	.032	.052	.062	.069	.086	.086	.0293	.0258	.0190	2.780
NEW YORK JEFFERSON CO 333340001A03	79*	19	.016	.030	.046	.069	.081	.084	.090	.100	.101	.112	.112	.0667	.0282	.0596	1.699
OREGON CURRY CO 380440001A03	77	28	LD	LD	LD	.012	.016	.024	.029	.042	.075	.372	.372	.0313	.0692	.0144	2.873
	78*	24	LD	LD	LD	.013	.016	.021	.030	.049	.068	.076	.076	.0203	.0198	.0138	2.410
PENNSYLVANIA CLARION CO 391760001A03	77*	25	.029	.053	.087	.123	.138	.179	.187	.205	.344	.439	.439	.1394	.0938	.1149	1.898
	78	30	.016	.022	.052	.072	.085	.097	.130	.142	.207	.238	.238	.0838	.0560	.0660	2.105
RHODE ISLAND WASHINGTON CO 410380002A03	77*	19	.080	.090	.158	.195	.196	.220	.239	.254	.269	.352	.352	.1956	.0643	.1849	1.432
	78*	17	.032	.047	.056	.109	.116	.134	.223	.261	.399	.446	.446	.1437	.1217	.1083	2.131
SOUTH CAROLINA RICHLAND CO 421900002A03	77*	19	.055	.061	.103	.153	.154	.168	.190	.322	.344	.409	.409	.1651	.0974	.1418	1.766
SOUTH DAKOTA BLACK HILLS NA 430110001A03	77*	24	LD	LD	LD	LD	.019	.025	.027	.033	.038	.051	.051	.0168	.0130	.0125	2.220
	78	27	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.108				
TENNESSEE CUMBERLAND CO 440680001A03	77	29	.029	.035	.055	.081	.091	.093	.107	.133	.137	.221	.221	.0852	.0414	.0764	1.620

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12128 - LEAD
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)
1977 .0118 +- 8.0
1978 .0109 +- 6.0
1979 .0117 +-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	LD	.027	.055	.089	.098	.115	.160	.164	.245	.245	.0786	.0685	.0448	3.655
TOM GREEN CO																	
455200001A03	77	26	.026	.031	.050	.062	.072	.100	.112	.224	.276	.320	.320	.0983	.0853	.0736	2.092
	78*	17	LD	.023	.061	.069	.079	.099	.153	.157	.161	.164	.164	.0854	.0499	.0670	2.353
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	.045	.046	.085	.109	.119	.151	.166	.246	.307	.368	.368	.1395	.0857	.1193	1.760
	79*	18	LD	LD	.026	.066	.081	.101	.102	.129	.139	.147	.147	.0692	.0453	.0497	2.689
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	.028	.076	.156	.193	.226	.248	.273	.396	.808	.812	.812	.2425	.1849	.1927	2.019
	78*	18	.029	.046	.094	.146	.241	.322	.336	.800	.811	1.037	1.037	.2872	.2967	.1790	2.771
	79	29	.038	.042	.157	.279	.301	.325	.353	.397	.459	.500	.500	.2444	.1385	.1911	2.258
WYTHE CO																	
483440001A03	77	30	.028	.050	.062	.075	.105	.114	.122	.147	.165	.168	.168	.0907	.0384	.0828	1.561
	78*	17	.016	.032	.064	.092	.102	.118	.132	.173	.184	.203	.203	.0992	.0530	.0835	1.952
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	LD	.030	.055	.071	.077	.136	.142	.186	.547	.547	.0940	.1325	.0456	3.736
	78*	16	LD	LD	.023	.057	.105	.108	.127	.131	.261	.361	.361	.0929	.0995	.0447	4.267
510780002A03	79*	22	LD	LD	.027	.034	.042	.051	.075	.093	.126	.178	.178	.0481	.0430	.0311	2.875
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.034				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)
1977 .0016 — +-24.0
1978 .0008 — +-12.0
1979 .0016 — +-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	.02	.02	.04	.06	.10	.11	.13	.15	.17	.30	.30	.084	.063	.066	2.068
	78*	20	.02	.03	.06	.07	.09	.09	.13	.20	.27	.42	.42	.111	.095	.086	2.069
GADSDEN																	
011480001A01	77	25	.01	.01	.02	.03	.05	.06	.06	.08	.08	.10	.10	.042	.026	.034	2.013
	78*	17	.02	.02	.03	.03	.04	.04	.06	.06	.11	.13	.13	.044	.030	.038	1.714
HUNTSVILLE																	
011860001A01	77	26	.01	.01	.02	.02	.03	.03	.04	.05	.10	.43	.43	.045	.081	.026	2.392
	78*	15	.01	.01	.02	.03	.04	.04	.05	.05	.05	.12	.12	.037	.028	.030	1.908
MOBILE																	
012380001A01	77*	19	.01	.02	.02	.03	.03	.03	.05	.07	.08	.27	.27	.047	.058	.034	2.074
MONTGOMERY																	
012460001A01	77*	20	.00	.01	.01	.02	.02	.02	.02	.03	.05	.06	.06	.020	.013	.017	1.890
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	.01	.01	.01	.03	.04	.05	.06	.08	.09	.12	.12	.043	.033	.031	2.371
	78*	17	.01	.01	.02	.06	.06	.08	.09	.10	.13	.21	.21	.065	.053	.047	2.368
	79*	15	LD	.00	.01	.02	.02	.02	.03	.05	.05	.08	.08	.022	.020	.014	2.952
FAIRBANKS																	
020160001A01	77*	25	.01	.01	.02	.03	.03	.04	.04	.08	.09	.10	.10	.034	.024	.027	1.980
020160016A01	78*	24	.00	.01	.02	.02	.03	.03	.03	.04	.07	.09	.09	.027	.019	.022	1.868
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	.02	.02	.03	.03	.04	.05	.05	.06	.07	.08	.08	.039	.017	.035	1.563
	78	24	.01	.01	.02	.02	.03	.03	.04	.05	.05	.07	.07	.029	.016	.025	1.719
	79	27	.01	.02	.03	.05	.06	.07	.08	.08	.09	.10	.10	.051	.026	.044	1.882
PHOENIX																	
030600002A01	77*	20	.03	.03	.04	.05	.05	.05	.06	.07	.08	.09	.09	.051	.016	.048	1.358
	78*	22	.01	.03	.05	.06	.06	.07	.08	.10	.12	.15	.15	.064	.030	.058	1.639
	79*	20	.00	.01	.03	.04	.05	.06	.06	.08	.09	.09	.09	.042	.027	.032	2.430
TUCSON																	
030860001A01	77	30	.01	.01	.02	.03	.03	.03	.03	.04	.05	.06	.06	.028	.012	.026	1.471

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0016; 1978 .0008; 1979 .0016
95% CONF. PRECISION (%): 1977 +-24.0; 1978 +-12.0; 1979 +-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	.00	.01	.02	.02	.03	.03	.04	.04	.05	.05	.05	.026	.012	.023	1.810
	79	26	.00	.00	.01	.02	.03	.03	.03	.03	.04	.04	.04	.022	.012	.018	2.135
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	.01	.01	.02	.02	.02	.02	.03	.04	.04	.04	.04	.024	.008	.023	1.413
TEXARKANA																	
042560001A01	78*	16	.01	.01	.01	.01	.02	.02	.02	.02	.02	.02	.02	.015	.005	.014	1.383
WEST MEMPHIS																	
042740004A01	78*	17	.00	.01	.02	.02	.02	.03	.04	.04	.05	.05	.05	.027	.014	.023	1.832
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	.01	.02	.03	.03	.04	.04	.04	.05	.10	.12	.12	.037	.024	.032	1.683
	78*	24	.01	.01	.02	.03	.03	.04	.04	.05	.06	.06	.06	.029	.015	.025	1.746
	79*	20	.01	.01	.02	.02	.03	.03	.03	.04	.04	.04	.04	.026	.009	.024	1.542
BERKELEY																	
050740001A01	77	30	.00	.00	.01	.01	.01	.02	.02	.02	.03	.04	.04	.014	.009	.011	1.923
	78*	24	.00	.00	.01	.01	.02	.02	.03	.03	.04	.06	.06	.018	.014	.013	2.453
	79*	20	.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.008	.005	.006	1.776
BURBANK																	
050900002A01	77	30	.01	.02	.02	.03	.04	.04	.05	.06	.07	.07	.07	.037	.017	.033	1.651
FRESNO																	
052800002A01	77	30	.01	.02	.03	.04	.05	.05	.05	.07	.08	.11	.11	.042	.021	.037	1.669
	78*	24	.01	.01	.02	.04	.05	.06	.07	.09	.12	.40	.40	.059	.079	.036	2.753
	79*	20	.00	.01	.02	.03	.03	.05	.05	.05	.05	.05	.05	.030	.017	.024	2.180
LONG BEACH																	
054100001A01	77	27	.01	.02	.02	.02	.03	.04	.05	.05	.07	.09	.09	.033	.018	.029	1.645
LOS ANGELES																	
054180001A01	77	30	.01	.02	.02	.03	.03	.04	.04	.06	.06	.07	.07	.034	.016	.031	1.586
	78*	20	.02	.02	.02	.03	.04	.04	.05	.05	.06	.06	.06	.035	.014	.032	1.507
	79*	19	.01	.01	.02	.03	.03	.03	.04	.04	.04	.05	.05	.028	.010	.026	1.499

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)
1977 .0016 +-24.0
1978 .0008 +-12.0
1979 .0016 +-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	.01	.01	.01	.02	.03	.03	.03	.04	.06	.07	.07	.025	.016	.022	1.714
ONTARIO																	
055380001A01	77	30	.02	.03	.04	.08	.08	.09	.10	.14	.19	.20	.20	.079	.047	.067	1.857
	78*	24	.01	.02	.05	.09	.09	.10	.10	.12	.14	.15	.15	.077	.038	.065	2.000
	79*	21	.02	.02	.06	.07	.08	.09	.11	.12	.12	.16	.16	.078	.036	.067	1.823
PASADENA																	
055760002A01	77	29	.01	.01	.02	.02	.03	.03	.03	.04	.04	.07	.07	.025	.012	.023	1.623
SACRAMENTO																	
056580001A01	77	30	.01	.01	.01	.02	.03	.03	.04	.04	.04	.05	.05	.024	.013	.020	1.831
	78*	24	.00	.00	.01	.02	.02	.03	.03	.04	.25	.37	.37	.044	.085	.019	3.199
	79*	21	.00	.00	.01	.02	.02	.02	.04	.05	.06	.07	.07	.022	.020	.014	2.773
SAN BERNARDINO																	
056680001A01	77	29	.01	.02	.04	.05	.06	.07	.07	.08	.10	.13	.13	.055	.027	.047	1.889
	78*	24	.01	.01	.02	.05	.06	.06	.07	.09	.09	.10	.10	.048	.027	.039	2.036
	79*	20	.01	.02	.04	.07	.08	.08	.10	.10	.10	.10	.10	.062	.032	.052	2.013
SAN DIEGO																	
056800004A01	77	30	.01	.01	.02	.02	.02	.04	.05	.05	.08	.10	.10	.031	.022	.025	1.859
	78*	24	.01	.02	.02	.03	.03	.04	.04	.07	.07	.07	.07	.034	.019	.029	1.708
	79*	20	.01	.01	.02	.02	.02	.02	.02	.03	.03	.04	.04	.021	.008	.019	1.495
SAN FRANCISCO																	
056860001A01	77	30	.00	.01	.01	.01	.01	.01	.01	.01	.02	.03	.03	.010	.005	.010	1.539
SAN JOSE																	
056980004A01	77	30	.01	.01	.02	.03	.03	.03	.04	.04	.05	.05	.05	.027	.012	.024	1.642
	78*	24	.00	.01	.02	.03	.03	.04	.04	.04	.05	.06	.06	.029	.014	.025	1.879
	79*	20	.01	.01	.02	.02	.02	.02	.03	.03	.04	.06	.06	.021	.012	.019	1.601
SANTA ANA																	
057180001A01	77	29	.01	.01	.02	.02	.03	.03	.03	.04	.07	.12	.12	.029	.022	.024	1.713
	78*	20	.01	.01	.02	.02	.03	.03	.04	.04	.05	.06	.06	.026	.015	.022	1.823
	79*	20	.01	.01	.02	.02	.03	.03	.03	.03	.04	.04	.04	.024	.010	.021	1.575
TORRANCE																	
058260001A01	77	29	.01	.01	.02	.02	.03	.04	.05	.06	.07	.15	.15	.035	.028	.028	1.883

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	.02	.02	.03	.04	.04	.05	.05	.06	.07	.08	.08	.041	.017	.038	1.517
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	.01	.01	.01	.02	.02	.02	.03	.03	.04	.05	.05	.020	.009	.018	1.579
	79	27	LD	LD	.01	.01	.01	.02	.02	.03	.03	.05	.05	.015	.012	.010	3.084
HARTFORD																	
070420002A01	77*	16	.01	.01	.01	.02	.02	.02	.03	.04	.04	.04	.04	.021	.010	.019	1.562
	78*	21	.00	.01	.01	.02	.02	.02	.03	.03	.04	.07	.07	.020	.014	.017	1.935
NEW HAVEN																	
070700001A01	77*	15	.01	.01	.02	.02	.02	.03	.03	.03	.03	.05	.05	.023	.011	.021	1.524
070700123A01	79	27	.00	.01	.02	.03	.03	.03	.04	.06	.06	.06	.06	.027	.017	.021	2.266
WATERBURY																	
071240123A01	77*	26	.01	.02	.02	.03	.03	.03	.04	.05	.07	.07	.07	.032	.016	.029	1.555
	78	31	.01	.02	.03	.03	.04	.04	.04	.06	.06	.13	.13	.038	.023	.033	1.688
	79	27	.00	.01	.01	.02	.02	.02	.03	.03	.05	.07	.07	.021	.014	.017	2.013
DELAWARE																	
NEWARK																	
080140001A01	77	29	.01	.01	.02	.02	.03	.03	.05	.05	.07	.13	.13	.032	.024	.027	1.849
WILMINGTON																	
080260002A01	77	27	.02	.02	.03	.04	.04	.05	.06	.07	.09	.12	.12	.047	.022	.043	1.519
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	.00	.00	.00	.00	.00	.01	.01	.02	.03	.03	.005	.006	.004	2.209
JACKSONVILLE																	
101960002A01	77	28	.01	.01	.01	.02	.02	.03	.04	.06	.08	.22	.22	.034	.041	.024	2.077
101960049A01	78*	23	.01	.01	.01	.01	.02	.02	.02	.04	.04	.10	.10	.021	.019	.016	1.905
	79	26	LD	.00	.01	.01	.01	.01	.02	.02	.04	.08	.08	.016	.016	.011	2.555
MIAMI																	
102700002A01	77*	20	.00	.00	.01	.01	.01	.01	.01	.02	.02	.07	.07	.013	.014	.010	1.796

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	.00	.01	.01	.02	.02	.02	.02	.05	.06	.08	.08	.022	.018	.017	2.032
	78*	23	.01	.01	.02	.02	.02	.03	.04	.06	.06	.08	.08	.027	.020	.021	2.024
	79*	22	.00	.00	.01	.02	.02	.03	.03	.03	.04	.04	.04	.019	.010	.016	1.885
GEORGIA																	
ATLANTA																	
110200001A01	77	27	.01	.01	.03	.03	.03	.04	.04	.05	.07	.78	.78	.058	.144	.031	2.239
	78*	24	.01	.01	.03	.03	.04	.04	.05	.08	.08	.08	.08	.040	.019	.036	1.641
COLUMBUS																	
111280001A01	77	28	.00	.01	.01	.02	.02	.02	.03	.04	.06	.06	.06	.023	.014	.019	1.784
SAVANNAH																	
114500001A01	77*	18	.00	.01	.01	.02	.02	.03	.03	.04	.05	.23	.23	.032	.052	.019	2.442
HAWAII																	
HONOLULU																	
120120001A01	77	30	.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.007	.004	.006	1.647
	79	29	LD	.01	.01	.01	.01	.01	.01	.02	.02	.02	.02	.011	.005	.010	1.851
IDAHO																	
BOISE CITY																	
130220001A01	77	28	.01	.01	.02	.02	.03	.03	.03	.05	.06	.06	.06	.028	.013	.025	1.590
	78	26	.00	.01	.02	.02	.03	.03	.04	.05	.06	.11	.11	.029	.022	.022	2.308
ILLINOIS																	
BLUE ISLAND																	
140580001A01	77*	17	.03	.03	.04	.05	.05	.06	.08	.09	.11	.13	.13	.057	.030	.051	1.622
CHICAGO																	
141220001A01	77*	18	.01	.02	.03	.04	.04	.05	.05	.06	.06	.10	.10	.040	.020	.036	1.660
MOLINE																	
145120001A01	77*	23	.02	.02	.04	.05	.05	.05	.06	.11	.12	.18	.18	.056	.038	.047	1.775
NORTH CHICAGO																	
145620002A01	77*	23	.01	.01	.02	.02	.03	.03	.04	.05	.06	.08	.08	.029	.016	.025	1.653

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	.03	.03	.04	.06	.07	.09	.12	.15	.20	.27	.27	.081	.061	.065	1.941
ROCK ISLAND																	
146700001A01	77*	21	.03	.03	.04	.05	.06	.07	.09	.09	.15	.17	.17	.065	.039	.056	1.690
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	.05	.07	.15	.23	.28	.30	.34	.48	.62	.68	.68	.268	.156	.227	1.854
	78*	18	.11	.12	.15	.17	.18	.21	.21	.33	.42	.59	.59	.214	.122	.192	1.567
EVANSVILLE																	
151300001A01	77*	18	.02	.02	.02	.04	.04	.04	.05	.05	.08	.08	.08	.040	.019	.036	1.584
151300006A01	78*	23	.01	.01	.02	.03	.03	.04	.04	.06	.06	.13	.13	.035	.026	.029	1.810
	79*	21	.01	.01	.01	.02	.02	.02	.03	.04	.04	.05	.05	.020	.013	.017	1.852
FORT WAYNE																	
151380003A01	77*	23	.01	.01	.02	.03	.04	.04	.05	.05	.08	.10	.10	.036	.020	.032	1.733
	78	25	.01	.02	.03	.04	.04	.04	.05	.07	.07	.09	.09	.039	.018	.034	1.812
GARY																	
151520001A01	77*	26	.02	.03	.06	.10	.12	.12	.14	.16	.30	.40	.40	.116	.086	.091	2.070
	78*	25	.02	.05	.07	.12	.15	.20	.21	.31	.40	1.06	1.06	.176	.205	.121	2.350
	79*	21	.00	.01	.06	.10	.14	.15	.15	.17	.17	.21	.21	.106	.057	.079	2.012
HAMMOND																	
151780001A01	78*	24	.02	.04	.10	.13	.14	.17	.18	.25	.37	.72	.72	.165	.139	.131	1.983
	79*	23	.02	.02	.05	.08	.12	.13	.13	.23	.24	.43	.43	.114	.095	.085	2.186
151780002A01	77*	20	.03	.04	.08	.10	.10	.14	.20	.24	.30	.36	.36	.136	.090	.111	1.909
INDIANAPOLIS																	
152040002A01	77	27	.02	.02	.03	.03	.03	.04	.05	.05	.08	.08	.08	.036	.018	.032	1.542
	78*	19	.02	.02	.02	.03	.03	.04	.04	.05	.05	.05	.05	.032	.010	.030	1.393
	79*	19	.01	.01	.01	.02	.02	.02	.03	.04	.04	.04	.04	.022	.011	.019	1.719
NEW ALBANY																	
152980002A01	77*	24	.01	.02	.02	.02	.03	.04	.04	.04	.05	.05	.05	.028	.012	.026	1.488
	78*	22	.01	.01	.02	.03	.04	.04	.06	.07	.07	.08	.08	.038	.021	.033	1.777
SOUTH BEND																	
153880002A01	77*	27	.02	.02	.03	.04	.04	.06	.07	.07	.08	.13	.13	.047	.025	.041	1.695
	78*	23	.01	.01	.03	.05	.06	.07	.07	.09	.10	.10	.10	.053	.027	.045	1.905

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY

DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	.01	.01	.02	.04	.04	.05	.07	.09	.09	.14	.14	.046	.033	.036	2.069
TERRE HAUTE																	
154080001A01	77*	26	.01	.01	.03	.03	.03	.04	.06	.06	.08	.09	.09	.037	.020	.032	1.729
	78	24	.01	.01	.03	.03	.03	.03	.04	.06	.06	.08	.08	.035	.016	.032	1.527
	79*	20	LD	LD	.00	.01	.01	.01	.02	.02	.02	.03	.03	.011	.008	.008	3.049
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	.01	.01	.03	.04	.04	.07	.08	.09	.11	.13	.13	.050	.033	.040	2.002
DAVENPORT																	
161060001A01	77*	26	.01	.02	.03	.05	.06	.06	.08	.12	.14	.14	.14	.061	.036	.051	1.851
	78	28	LD	.01	.03	.05	.06	.07	.07	.10	.12	.14	.14	.056	.036	.040	3.131
	79*	22	.01	.02	.03	.04	.05	.05	.06	.07	.09	.09	.09	.043	.022	.037	1.873
DES MOINES																	
161180001A01	78*	23	.02	.02	.03	.05	.06	.06	.07	.09	.09	.10	.10	.051	.026	.044	1.782
	79*	23	.01	.01	.02	.04	.04	.04	.04	.07	.08	.09	.09	.036	.022	.029	2.088
DUBUQUE																	
161260002A01	77*	21	.01	.01	.01	.02	.02	.02	.03	.03	.04	.05	.05	.020	.011	.018	1.720
161260008A01	77*	21	.01	.01	.01	.02	.03	.03	.03	.04	.04	.07	.07	.025	.015	.021	1.837
	78*	22	.00	.01	.01	.02	.03	.03	.05	.07	.08	.10	.10	.032	.027	.022	2.552
WATERLOO																	
163760004A01	77	26	.02	.02	.02	.04	.05	.06	.07	.08	.12	.15	.15	.050	.033	.041	1.861
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	.01	.02	.04	.05	.05	.05	.06	.06	.07	.08	.08	.045	.017	.041	1.579
171800012A01	77	27	.02	.02	.03	.04	.04	.05	.05	.06	.07	.10	.10	.041	.017	.038	1.480
171800015A01	77	30	.02	.03	.04	.05	.06	.07	.08	.10	.12	.22	.22	.061	.039	.053	1.683
	78	28	.02	.02	.04	.05	.06	.07	.08	.11	.18	.27	.27	.068	.054	.055	1.908
TOPEKA																	
173560001A01	77*	24	.01	.01	.02	.02	.02	.03	.03	.04	.04	.07	.07	.026	.012	.024	1.498
	78	26	.02	.02	.02	.03	.03	.04	.04	.04	.07	.09	.09	.033	.017	.030	1.575

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	.01	.01	.02	.02	.02	.02	.03	.03	.03	.04	.04	.022	.008	.021	1.385
	78*	25	.01	.01	.01	.02	.02	.02	.02	.03	.03	.03	.03	.018	.008	.017	1.577
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	.02	.03	.06	.07	.11	.13	.16	.19	.20	.29	.29	.105	.071	.083	2.059
	78*	19	.03	.04	.08	.10	.13	.13	.17	.19	.21	.23	.23	.116	.059	.101	1.779
BOWLING GREEN																	
180320001A01	77	25	.01	.01	.01	.01	.02	.02	.02	.03	.03	.04	.04	.016	.008	.014	1.599
COVINGTON																	
180800001A01	77	28	.01	.02	.02	.04	.05	.07	.09	.11	.14	.16	.16	.056	.041	.042	2.170
	78*	18	.01	.02	.04	.05	.05	.06	.12	.20	.37	.50	.50	.102	.132	.060	2.666
	79	30	.01	.01	.02	.06	.08	.15	.18	.27	.34	.71	.71	.122	.148	.066	3.205
LEXINGTON																	
182300001A01	77*	23	.02	.02	.03	.03	.03	.03	.04	.06	.06	.06	.06	.032	.012	.031	1.398
182300003A01	79	29	.00	.01	.02	.02	.02	.02	.03	.03	.04	.05	.05	.021	.010	.019	1.685
LOUISVILLE																	
182380002A01	77	26	.01	.02	.03	.03	.04	.04	.05	.08	.08	.08	.08	.039	.022	.034	1.717
182380035A01	79*	16	.00	.01	.01	.02	.02	.03	.03	.03	.05	.09	.09	.024	.021	.018	2.290
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	.01	.01	.01	.02	.02	.02	.03	.03	.05	.42	.42	.036	.079	.020	2.193
	78*	24	.01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.021	.008	.019	1.582
IBERVILLE PAR																	
191280002A01	77	24	.00	.00	.01	.01	.01	.01	.01	.02	.03	.29	29	.023	.057	.012	2.376
	78	28	.00	.00	.01	.01	.01	.02	.02	.02	.05	.05	.05	.014	.012	.011	2.043
NEW ORLEANS																	
192020002A01	77	26	.01	.01	.01	.02	.02	.02	.02	.03	.03	.47	.47	.036	.089	.021	2.032
	78*	24	.00	.01	.02	.02	.03	.03	.03	.03	.04	.04	.04	.023	.009	.020	1.746
SHREVEPORT																	
192740001A01	78*	24	.01	.01	.02	.02	.03	.03	.04	.05	.05	.06	.06	.027	.015	.024	1.709

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY

DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	.01	.01	.01	.01	.02	.02	.02	.02	.03	.05	.05	.016	.010	.014	1.736
	78	27	.00	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.019	.009	.017	1.700
	79	23	LD	LD	.00	.01	.01	.01	.02	.02	.03	.04	.04	.011	.010	.007	3.356
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	.03	.03	.04	.05	.06	.09	.10	.16	.20	.23	.23	.076	.055	.061	1.893
	79	26	.01	.02	.03	.05	.08	.09	.10	.13	.23	.34	.34	.078	.073	.056	2.304
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	.02	.02	.02	.02	.03	.03	.04	.04	.05	.05	.05	.020	.010	.027	1.393
	79*	20	LD	.00	.01	.02	.02	.02	.02	.03	.04	.08	.08	.021	.017	.015	2.573
CAMBRIDGE																	
220360001A01	78	28	.01	.01	.01	.02	.02	.02	.02	.03	.03	.04	.04	.017	.008	.016	1.573
	79*	21	LD	.00	.01	.01	.02	.02	.02	.02	.03	.03	.03	.013	.008	.010	2.413
FALL RIVER																	
220580001A01	78	29	.00	.01	.01	.02	.02	.02	.03	.03	.04	.05	.05	.021	.010	.018	1.759
	79*	15	LD	.00	.01	.02	.02	.02	.02	.03	.03	.03	.03	.016	.009	.012	2.671
NEW BEDFORD																	
221500002A01	78	26	.00	.01	.01	.01	.01	.01	.01	.02	.03	.03	.03	.012	.007	.010	1.815
	79	27	LD	LD	.00	.01	.01	.01	.01	.01	.01	.02	.02	.007	.005	.004	2.804
SPRINGFIELD																	
222160002A01	78	29	.01	.01	.02	.02	.02	.03	.03	.05	.07	.08	.08	.025	.017	.020	1.838
	79*	23	LD	.00	.01	.01	.02	.02	.02	.03	.05	.05	.05	.018	.013	.013	2.739
WORCHESTER																	
222640004A01	77	23	.01	.01	.01	.01	.02	.02	.02	.03	.03	.04	.04	.018	.010	.015	1.821
	78	29	.00	.01	.01	.02	.02	.02	.02	.04	.06	.09	.09	.022	.018	.017	2.203
	79	27	LD	LD	.00	.01	.01	.02	.02	.02	.04	.04	.04	.013	.010	.008	3.062
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	.02	.03	.05	.08	.09	.11	.12	.16	.18	.26	.26	.092	.056	.076	1.906

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)

1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	.01	.02	.03	.04	.04	.04	.04	.05	.06	.06	.06	.037	.014	.035	1.495
	78*	22	.01	.01	.02	.04	.05	.05	.05	.06	.08	.12	.12	.040	.027	.032	2.028
GRAND RAPIDS																	
231820001A01	77*	22	.01	.01	.02	.03	.03	.03	.03	.05	.05	.06	.06	.028	.013	.026	1.545
LANSING																	
232840001A01	77*	22	.01	.01	.02	.03	.03	.03	.05	.06	.06	.08	.08	.033	.018	.028	1.755
	78*	23	.01	.01	.02	.03	.03	.04	.04	.06	.06	.09	.09	.035	.019	.030	1.766
SAGINAW																	
234760001A01	77	25	.01	.01	.03	.04	.04	.05	.05	.10	.11	.19	.19	.046	.039	.036	2.049
	78*	22	.01	.01	.03	.04	.06	.06	.07	.11	.11	.21	.21	.055	.045	.042	2.153
TRENTON																	
235120004A01	77*	21	.02	.03	.04	.05	.07	.07	.09	.11	.12	.13	.13	.063	.033	.055	1.682
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	.01	.01	.02	.03	.03	.04	.05	.10	.12	.13	.13	.036	.035	.026	2.289
241040017A01	78*	24	.00	.01	.01	.02	.02	.03	.05	.08	.10	.11	.11	.033	.028	.024	2.154
	79*	21	.01	.01	.01	.03	.03	.05	.06	.07	.09	.14	.14	.039	.033	.028	2.290
MINNEAPOLIS																	
242260027A01	77	24	.01	.01	.03	.04	.05	.05	.06	.06	.06	.09	.09	.040	.020	.035	1.776
	78	28	.01	.02	.03	.04	.05	.06	.07	.07	.12	.15	.15	.052	.031	.045	1.799
ST PAUL																	
243300031A01	77*	24	.01	.01	.03	.04	.04	.05	.07	.08	.10	.16	.16	.050	.032	.043	1.807
	78*	17	.01	.02	.03	.04	.05	.05	.05	.05	.06	.18	.18	.046	.037	.038	1.807
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	.01	.01	.02	.02	.02	.03	.03	.04	.06	.07	.07	.027	.015	.024	1.629
	78	31	.01	.02	.02	.03	.03	.04	.05	.06	.07	.08	.08	.035	.020	.030	1.734

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0016; 1978 .0008; 1979 .0016

95% CONF. PRECISION (%): 1977 +-24.0; 1978 +-12.0; 1979 +-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	.02	.03	.03	.04	.04	.05	.05	.05	.09	.13	.13	.042	.021	.039	1.472
ST LOUIS																	
264280001A01	77	27	.02	.03	.04	.05	.05	.06	.06	.07	.09	.10	.10	.051	.019	.047	1.497
MONTANA																	
HELENA																	
270720001A01	77*	20	.00	.00	.01	.01	.02	.02	.02	.04	.05	.09	.09	.020	.020	.013	2.440
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	.01	.01	.01	.02	.02	.03	.03	.03	.04	.05	.05	.022	.010	.020	1.558
	78	25	.00	.01	.02	.03	.03	.04	.04	.05	.05	.06	.06	.027	.016	.022	2.127
OMAHA																	
281880034A01	77*	17	.01	.02	.02	.03	.03	.04	.04	.05	.07	.07	.07	.034	.016	.032	1.541
	78*	15	.01	.01	.02	.04	.04	.04	.06	.07	.07	.09	.09	.037	.023	.031	1.857
	79	29	.00	.01	.01	.03	.04	.04	.05	.06	.07	.10	.10	.032	.02[illegible]	.023	2.550
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	.01	.01	.02	.03	.03	.03	.04	.04	.05	.06	.06	.029	.010	.027	1.427
	78*	21	.01	.01	.02	.02	.02	.02	.02	.02	.03	.03	.03	.018	.006	.016	1.493
	79*	25	.01	.01	.02	.02	.03	.03	.04	.04	.06	.07	.07	.026	.016	.022	1.927
RENO																	
290480001A01	77*	23	.01	.01	.03	.04	.05	.05	.05	.07	.08	.14	.14	.046	.027	.039	1.795
	78	26	.01	.02	.03	.04	.05	.05	.05	.06	.07	.08	.08	.041	.016	.038	1.523
	79	30	LD	.01	.02	.03	.03	.03	.04	.05	.06	.07	.07	.028	.016	.022	2.384
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	.00	.00	.01	.01	.01	.01	.01	.01	.02	.05	.05	.012	.010	.009	2.055
	79*	15	LD	LD	LD	.00	.01	.01	.01	.01	.01	.01	.01	.005	.004	.003	3.223

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)
1977 .0016 +-24.0
1978 .0008 +-12.0
1979 .0016 +-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	.01	.01	.02	.02	.02	.02	.03	.03	.04	.05	.05	.022	.009	.021	1.483
	78	23	.01	.01	.02	.02	.02	.03	.03	.04	.04	.06	.06	.024	.013	.022	1.670
CAMDEN																	
310720001A01	77*	21	.01	.02	.04	.05	.06	.06	.07	.12	.13	.22	.22	.062	.047	.051	1.815
	78	28	.01	.02	.03	.04	.05	.07	.08	.15	.19	.21	.21	.065	.057	.048	2.182
CAMDEN CO																	
310740003A01	77*	24	.01	.01	.01	.03	.04	.05	.05	.07	.07	.12	.12	.036	.026	.028	2.086
	78*	23	.01	.01	.01	.03	.03	.03	.03	.06	.06	.08	.08	.026	.018	.021	1.971
ELIZABETH																	
311300002A01	78	29	.01	.01	.02	.03	.03	.03	.03	.04	.06	.06	.06	.027	.013	.025	1.601
	79*	22	.01	.01	.02	.02	.02	.03	.03	.04	.05	.08	.08	.026	.016	.022	1.840
GLASSBORO																	
311700001A01	77*	21	.01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.03	.020	.008	.018	1.650
	78	27	.00	.01	.02	.02	.02	.03	.03	.04	.05	.12	.12	.025	.022	.020	2.074
	79*	22	.00	.01	.01	.01	.02	.02	.02	.04	.04	.07	.07	.018	.014	.015	1.786
JERSEY CITY																	
312320001A01	77*	23	.01	.01	.02	.03	.03	.03	.03	.04	.04	.05	.05	.027	.010	.025	1.447
	78*	23	.01	.02	.02	.03	.03	.04	.04	.05	.05	.07	.07	.030	.014	.027	1.610
	79*	17	.00	.01	.01	.02	.02	.02	.03	.03	.03	.03	.03	.018	.010	.015	1.912
NEWARK																	
313480001A01	77*	21	.01	.01	.02	.02	.02	.03	.03	.04	.04	.05	.05	.023	.010	.021	1.545
	78	26	.01	.01	.02	.02	.03	.03	.04	.05	.05	.06	.06	.028	.015	.024	1.703
	79	26	.00	.01	.01	.02	.02	.02	.03	.04	.05	.05	.05	.020	.013	.016	1.899
PATERSON																	
314140001A01	77*	16	.01	.02	.02	.03	.03	.03	.04	.04	.05	.06	.06	.030	.013	.028	1.495
314140005A01	78*	17	.02	.02	.02	.03	.03	.03	.04	.04	.05	.05	.05	.031	.011	.029	1.436
	79*	19	.00	.01	.01	.01	.02	.02	.02	.03	.04	.04	.04	.017	.010	.014	1.837
PERTH AMBOY																	
314220001A01	77	27	.01	.01	.02	.02	.02	.03	.03	.04	.05	.05	.05	.024	.011	.022	1.624
	78	28	.01	.01	.02	.02	.03	.03	.04	.05	.09	.09	.09	.031	.023	.024	2.047
TRENTON																	
315400001A01	77*	19	.01	.02	.02	.03	.04	.04	.05	.07	.09	.11	.11	.041	.026	.034	1.784
	78	31	.01	.01	.02	.02	.03	.03	.04	.08	.09	.17	.17	.036	.034	.027	2.074

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	.01	.01	.02	.03	.03	.04	.05	.06	.06	.09	.09	.036	.021	.030	1.938
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	.01	.02	.04	.05	.05	.05	.06	.09	.11	.28	.28	.056	.052	.045	1.805
	78*	22	.01	.02	.03	.04	.04	.04	.05	.06	.08	.20	.20	.045	.038	.037	1.798
NEW YORK																	
ALBANY																	
330040001A01	79*	16	.00	.00	.01	.01	.01	.02	.02	.03	.03	.11	.11	.019	.025	.012	2.540
BUFFALO																	
330660001A01	79*	19	.01	.01	.02	.03	.03	.04	.04	.05	.06	.11	.11	.034	.023	.029	1.850
NIAGARA FALLS																	
334740001A01	79	30	.01	.02	.04	.04	.05	.06	.09	.13	.41	.77	.77	.088	.140	.051	2.433
ROCHESTER																	
335760001A01	79*	19	.01	.01	.02	.03	.03	.03	.03	.03	.03	.04	.04	.023	.008	.021	1.498
SYRACUSE																	
336620001A01	79*	27	.01	.02	.02	.02	.02	.03	.03	.04	.04	.05	.05	.024	.009	.023	1.413
UTICA																	
336880001A01	79	28	LD	.01	.01	.02	.02	.03	.04	.04	.06	.11	.11	.026	.022	.018	2.680
YONKERS																	
337620001A01	79*	21	.00	.00	.01	.01	.02	.02	.03	.04	.04	.05	.05	.018	.014	.013	2.555
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	.01	.01	.01	.02	.02	.02	.03	.04	.06	.09	.09	.024	.019	.019	1.889
	78	30	.01	.01	.01	.02	.02	.03	.03	.04	.04	.05	.05	.022	.011	.019	1.783
	79	29	.00	.01	.01	.02	.02	.02	.02	.03	.05	.05	.05	.019	.011	.016	1.822
DURHAM																	
341160001A01	78*	23	.01	.01	.01	.02	.02	.02	.02	.03	.03	.04	.04	.017	.008	.015	1.651
	79	28	.00	.01	.01	.01	.01	.02	.02	.03	.03	.03	.03	.015	.009	.013	1.896
341160006A01	77	27	.01	.01	.02	.02	.02	.02	.03	.04	.05	.05	.05	.022	.012	.019	1.688

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	.01	.01	.01	.02	.02	.03	.03	.04	.04	.05	.05	.021	.011	.019	1.640
	78*	25	.01	.01	.01	.02	.02	.02	.03	.03	.03	.04	.04	.019	.008	.017	1.560
MOREHEAD CITY																	
342720002A01	78	28	.00	.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.006	.004	.005	2.015
	79*	26	LD	LD	LD	.00	.00	.00	.01	.01	.01	.01	.01	.004	.003	.002	2.648
WINSTON-SALEM																	
344460002A01	77	29	.01	.01	.02	.02	.02	.02	.03	.04	.05	.07	.07	.023	.013	.020	1.622
	78	29	.01	.01	.02	.03	.03	.03	.04	.05	.05	.05	.05	.028	.013	.025	1.629
	79	25	.00	.01	.01	.02	.02	.03	.03	.05	.05	.06	.06	.022	.015	.018	2.028
OHIO																	
AKRON																	
360060014A01	77	26	.02	.02	.03	.03	.04	.05	.07	.07	.10	.11	.11	.045	.025	.040	1.658
	78	26	.01	.02	.03	.04	.05	.06	.07	.07	.08	.14	.14	.047	.027	.040	1.818
	79	25	.00	.01	.03	.04	.05	.06	.06	.09	.10	.13	.13	.046	.029	.037	2.163
CANTON																	
361000001A01	77*	27	.03	.04	.06	.08	.09	.10	.11	.12	.13	.16	.16	.081	.033	.074	1.527
	78*	25	.01	.04	.07	.10	.11	.14	.15	.19	.20	.25	.25	.107	.059	.088	2.066
	79	27	.01	.02	.04	.06	.07	.09	.14	.15	.16	.20	.20	.077	.052	.061	2.096
CINCINNATI																	
361220001A01	77	29	.01	.02	.03	.03	.03	.04	.06	.16	.24	.26	.26	.060	.068	.040	2.272
	78	30	.01	.02	.03	.04	.05	.05	.06	.09	.21	.29	.29	.057	.063	.040	2.184
	79	28	.01	.02	.03	.07	.08	.09	.11	.33	.56	1.94	1.94	.172	.369	.072	3.235
361220019A01	78*	18	.00	.02	.03	.04	.05	.06	.06	.13	.14	.17	.17	.059	.048	.044	2.318
	79*	17	.01	.02	.03	.04	.05	.06	.08	.09	.12	.12	.12	.053	.034	.044	1.920
CLEVELAND																	
361300001A01	77*	19	.03	.05	.06	.09	.10	.10	.12	.13	.16	.16	.16	.093	.036	.086	1.533
	78	26	.01	.02	.04	.07	.09	.10	.11	.16	.25	.26	.26	.088	.067	.066	2.231
	79*	25	.00	.01	.03	.04	.04	.06	.07	.08	.14	.16	.16	.048	.038	.036	2.311
COLUMBUS																	
361460001A01	77	25	.01	.02	.02	.03	.03	.04	.04	.06	.07	.07	.07	.034	.016	.031	1.603
	78*	26	.01	.01	.02	.03	.04	.05	.05	.06	.09	.12	.12	.039	.025	.032	1.956
	79*	24	LD	.01	.01	.02	.02	.02	.02	.04	.05	.05	.05	.021	.014	.016	2.370

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	.02	.02	.03	.05	.05	.06	.07	.09	.10	.11	.11	.051	.027	.044	1.782
	78	26	.01	.01	.02	.03	.04	.04	.06	.08	.09	.16	.16	.043	.032	.034	1.986
MANSFIELD																	
363840008A01	77*	25	.01	.02	.03	.04	.05	.07	.07	.10	.13	.26	.26	.057	.052	.043	2.062
	78	29	.01	.01	.03	.04	.05	.07	.08	.10	.13	.22	.22	.056	.045	.041	2.345
	79	29	LD	.01	.02	.03	.04	.05	.05	.09	.15	.29	.29	.048	.057	.030	2.933
PORTSMOUTH																	
365620002A01	77	27	.01	.01	.03	.04	.07	.09	.11	.13	.15	.19	.19	.064	.050	.045	2.471
	78	27	.01	.01	.03	.05	.06	.08	.11	.17	.30	.35	.35	.081	.084	.053	2.596
	79	28	.00	.01	.02	.03	.04	.08	.09	.17	.28	.30	.30	.072	.084	.040	3.082
STEUBENVILLE																	
366420012A01	77*	21	.04	.05	.05	.11	.13	.16	.16	.24	.26	.27	.27	.120	.074	.100	1.858
	78	24	.01	.01	.06	.10	.12	.16	.19	.21	.27	.32	.32	.120	.081	.091	2.335
	79	28	.01	.01	.04	.08	.09	.17	.22	.29	.36	.43	.43	.125	.120	.073	3.181
TOLEDO																	
366600001A01	77*	24	.01	.01	.02	.03	.04	.04	.04	.05	.05	.05	.05	.033	.011	.031	1.441
366600006A01	78*	20	.02	.02	.03	.04	.05	.06	.06	.07	.08	.10	.10	.047	.020	.043	1.576
	79	29	.01	.01	.01	.02	.03	.05	.05	.06	.07	.07	.07	.033	.022	.025	2.161
YOUNGSTOWN																	
367760001A01	77	26	.03	.05	.07	.10	.11	.12	.15	.17	.17	.19	.19	.104	.047	.093	1.626
	78	27	.02	.04	.07	.11	.11	.14	.18	.22	.30	.35	.35	.121	.081	.098	1.993
	79	26	.02	.03	.05	.10	.11	.13	.16	.20	.24	.36	.36	.114	.080	.089	2.139
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	.01	.01	.02	.02	.03	.03	.03	.04	.05	.05	.05	.026	.012	.023	1.738
TULSA																	
373000110A01	77	24	.01	.01	.02	.03	.04	.04	.05	.10	.12	.21	.21	.046	.044	.035	2.080
	78*	21	.01	.01	.02	.02	.03	.04	.04	.05	.07	.14	.14	.032	.029	.025	2.071
OREGON																	
PORTLAND																	
381460001A01	77	28	.01	.01	.01	.04	.08	.11	.12	.19	.42	2.20	2.20	.154	.411	.046	4.138
	78*	24	.00	.01	.02	.04	.05	.09	.13	.31	.31	.76	.76	.106	.166	.046	3.780

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	.02	.02	.03	.03	.04	.04	.05	.05	.06	.07	.07	.037	.014	.034	1.492
	78*	19	.01	.01	.03	.04	.04	.04	.05	.06	.06	.07	.07	.039	.017	.035	1.690
ALTOONA																	
390140001A01	77*	22	.01	.01	.02	.03	.03	.03	.03	.03	.04	.05	.05	.026	.009	.025	1.408
BETHLEHEM																	
390780002A01	77	25	.01	.02	.03	.04	.04	.07	.07	.09	.10	.11	.11	.049	.028	.042	1.827
	78*	24	.02	.03	.03	.04	.04	.06	.06	.19	.29	.37	.37	.076	.087	.053	2.100
ERIE																	
393060002A01	77	25	.01	.02	.03	.04	.05	.06	.07	.09	.13	.17	.17	.051	.037	.041	2.010
HARRISBURG																	
393880361A01	77	30	.02	.02	.03	.04	.05	.06	.09	.10	.11	.12	.12	.053	.030	.046	1.750
	78	26	.01	.02	.03	.03	.04	.05	.05	.07	.09	.12	.12	.042	.026	.035	1.844
HAZLETON																	
393960001A01	77	25	.02	.02	.02	.03	.03	.04	.05	.06	.06	.06	.06	.033	.014	.031	1.459
	78	28	.01	.01	.02	.03	.03	.03	.04	.05	.05	.05	.05	.029	.012	.027	1.551
JOHNSTOWN																	
394460803A01	77*	22	.06	.16	.30	.36	.41	.45	.69	.73	.84	1.31	1.31	.441	.281	.365	1.932
LANCASTER CITY																	
394660002A01	77*	19	.01	.02	.02	.03	.03	.03	.03	.04	.05	.08	.08	.030	.016	.027	1.561
PHILADELPHIA																	
397140004A01	77	28	.02	.02	.04	.05	.06	.07	.07	.12	.65	.81	.81	.109	.184	.060	2.481
PITTSBURGH																	
397260001A01	77*	20	.05	.06	.11	.14	.16	.16	.18	.23	.25	.36	.36	.146	.076	.128	1.713
READING																	
397620001A01	77	29	.01	.02	.02	.03	.04	.04	.05	.05	.07	.07	.07	.035	.017	.031	1.646
	78	29	.01	.01	.03	.03	.03	.04	.04	.06	.07	.19	.19	.037	.033	.030	1.836
SCRANTON																	
398040001A01	77	28	.03	.03	.05	.07	.07	.08	.09	.12	.14	.22	.22	.077	.043	.068	1.651
WARMINSTER																	
399160002A01	77*	23	.02	.02	.02	.03	.03	.04	.05	.06	.06	.07	.07	.034	.016	.031	1.558

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY — DISCR. LIMIT (UG/M3): 1977 .0016; 1978 .0008; 1979 .0016
95% CONF. PRECISION (%): 1977 +-24.0; 1978 +-12.0; 1979 +-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	.01	.01	.02	.03	.03	.03	.03	.04	.05	.09	.09	.028	.014	.025	1.607
WILKES-BARRE																	
399430001A01	77	30	.02	.02	.03	.04	.05	.05	.06	.07	.11	.14	.14	.046	.028	.039	1.761
YORK																	
399560322A01	77	30	.01	.02	.03	.03	.03	.03	.04	.05	.06	.06	.06	.031	.012	.029	1.495
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	.01	.01	.01	.01	.02	.02	.02	.03	.04	.05	.05	.018	.010	.016	1.596
	78	28	.01	.01	.01	.01	.01	.02	.02	.05	.05	.09	.09	.021	.019	.016	1.983
	79*	22	.00	.01	.01	.01	.02	.02	.02	.02	.02	.03	.03	.014	.006	.013	1.583
GUAYNABO CO																	
401140001A01	77	28	.01	.01	.02	.02	.02	.03	.03	.04	.05	.07	.07	.024	.013	.022	1.579
	78*	25	.01	.01	.02	.03	.03	.03	.03	.05	.06	.10	.10	.029	.018	.025	1.642
	79*	19	.01	.01	.02	.02	.02	.03	.03	.04	.04	.05	.05	.025	.011	.023	1.544
PONCE																	
401920002A01	77*	24	.02	.02	.02	.03	.03	.03	.04	.04	.05	.07	.07	.030	.012	.029	1.437
	78	27	.01	.01	.02	.03	.03	.03	.04	.04	.07	.11	.11	.030	.021	.026	1.706
	79	22	.01	.01	.02	.02	.03	.03	.03	.04	.06	.08	.08	.027	.016	.024	1.608
SABANA SECA																	
402065001A01	77*	26	.02	.02	.02	.03	.03	.03	.04	.04	.07	.07	.07	.031	.013	.028	1.458
SAN JUAN CO																	
402160001A01	77*	24	.01	.01	.01	.01	.02	.02	.02	.03	.03	.03	.03	.017	.007	.016	1.454
	78*	16	.01	.01	.02	.02	.03	.03	.04	.05	.07	.08	.08	.031	.021	.026	1.888
402160003A01	79	26	.01	.01	.02	.02	.03	.03	.03	.04	.05	.07	.07	.026	.013	.023	1.570
TOA BAJA CO																	
402320002A01	78*	18	.02	.02	.02	.02	.03	.03	.03	.04	.05	.10	.10	.031	.018	.028	1.523
	79	27	.01	.01	.02	.02	.03	.03	.04	.05	.05	.09	.09	.028	.018	.024	1.770
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	20	.01	.01	.01	.01	.02	.02	.03	.04	.04	.07	.07	.022	.016	.018	1.834
	78*	19	.01	.01	.02	.02	.02	.03	.03	.05	.07	.08	.08	.029	.019	.025	1.697

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	.00	.00	.01	.01	.02	.02	.02	.02	.03	.03	.03	.015	.009	.013	1.889
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	.01	.01	.01	.01	.01	.02	.02	.03	.03	.13	.13	.018	.024	.013	1.997
	79*	21	LD	LD	.00	.01	.01	.02	.02	.02	.03	.05	.05	.012	.011	.008	2.840
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	.01	.02	.06	.07	.09	.09	.12	.13	.13	.40	.40	.094	.080	.074	2.048
	78*	22	.02	.02	.06	.09	.10	.10	.12	.14	.15	.25	.25	.087	.055	.070	2.040
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	.02	.02	.03	.04	.04	.07	.08	.12	.13	.28	.28	.061	.057	.046	2.062
440380020A01	78	29	.01	.02	.03	.04	.04	.05	.08	.09	.11	.16	.16	.051	.034	.042	1.898
	79	30	LD	.01	.01	.02	.03	.04	.05	.07	.13	.15	.15	.035	.034	.022	3.259
KNOXVILLE																	
441740002A01	77*	22	.01	.02	.03	.04	.04	.05	.07	.09	.13	.23	.23	.054	.047	.043	1.893
441740003A01	78	29	.02	.03	.03	.05	.05	.06	.07	.08	.10	.12	.12	.052	.025	.046	1.625
MEMPHIS																	
442340001A01	77*	15	.02	.03	.04	.04	.05	.05	.05	.07	.07	.08	.08	.045	.016	.042	1.428
	78*	19	.01	.02	.03	.03	.03	.03	.04	.05	.05	.05	.05	.032	.011	.030	1.407
442340013A01	79*	17	LD	.00	.01	.01	.02	.02	.02	.04	.04	.05	.05	.017	.014	.012	2.836
NASHVILLE																	
442540001A01	77*	21	.01	.02	.02	.04	.05	.06	.06	.10	.10	.16	.16	.050	.036	.040	2.029
TEXAS																	
AMARILLO																	
450070002A01	77*	21	.01	.01	.01	.02	.02	.02	.02	.03	.05	.05	.05	.020	.012	.018	1.632
	78*	17	.00	.01	.01	.03	.03	.04	.05	.05	.05	.05	.05	.028	.016	.023	2.092
AUSTIN																	
450220010A01	77*	17	.00	.01	.01	.01	.01	.01	.02	.02	.02	.05	.05	.013	.011	.010	1.847
	78	22	.00	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03	.012	.006	.011	1.665

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)
1977 .0016 +-24.0
1978 .0008 +-12.0
1979 .0016 +-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	.01	.01	.01	.02	.02	.03	.04	.07	.07	.12	.12	.029	.027	.021	2.083
	78	25	.01	.02	.02	.03	.03	.04	.05	.09	.09	.13	.13	.041	.029	.033	1.935
CORPUS CHRISTI																	
451150001A01	77	26	.01	.01	.01	.02	.02	.02	.03	.03	.04	.04	.04	.020	.010	.018	1.631
	78	26	.01	.01	.02	.02	.02	.02	.03	.03	.04	.05	.05	.022	.010	.020	1.505
DALLAS																	
451310002A01	77*	21	.01	.01	.02	.03	.03	.03	.04	.04	.05	.06	.06	.029	.012	.027	1.511
EL PASO																	
451700002A01	78*	17	.01	.02	.04	.05	.05	.06	.09	.10	.11	.11	.11	.057	.031	.048	1.998
FORT WORTH																	
451880001A01	77	26	.02	.02	.02	.03	.03	.03	.04	.04	.05	.08	.08	.031	.013	.029	1.418
	78	23	.01	.01	.02	.03	.03	.03	.04	.04	.05	.05	.05	.029	.010	.027	1.516
HOUSTON																	
452560001A01	77*	15	.02	.02	.03	.04	.04	.05	.05	.08	.08	.50	.50	.070	.120	.043	2.219
	78	25	.02	.02	.03	.04	.04	.05	.06	.11	.11	.15	.15	.053	.035	.044	1.769
LUBBOCK																	
453340001A01	77*	21	.01	.01	.02	.03	.03	.03	.03	.04	.13	.15	.15	.035	.037	.026	1.982
	78	25	.01	.01	.01	.02	.02	.02	.03	.03	.04	.05	.05	.019	.010	.017	1.731
PASADENA																	
454060002A01	77*	27	.01	.02	.02	.04	.05	.07	.10	.17	.21	.37	.37	.072	.079	.049	2.337
	78*	23	.02	.02	.05	.06	.08	.08	.09	.10	.10	.12	.12	.065	.029	.057	1.709
SAN ANTONIO																	
454570034A01	77*	23	.01	.01	.01	.02	.02	.02	.03	.04	.05	.05	.05	.021	.012	.019	1.679
	78	26	.01	.01	.01	.02	.02	.02	.02	.02	.03	.04	.04	.017	.007	.015	1.558
WICHITA FALLS																	
455560002A01	77	29	.01	.02	.03	.03	.03	.04	.04	.05	.05	.06	.06	.031	.011	.029	1.529
	78	26	.01	.02	.02	.03	.03	.03	.03	.04	.05	.15	.15	.033	.026	.028	1.626
UTAH																	
OGDEN																	
460680001A01	77*	22	.01	.01	.03	.03	.04	.04	.05	.05	.07	.07	.07	.034	.017	.029	1.893
	78	29	.01	.01	.02	.03	.03	.04	.05	.07	.08	.08	.08	.035	.021	.029	1.864

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	.01	.01	.02	.03	.04	.05	.06	.09	.09	.11	.11	.042	.026	.035	1.864
	78*	25	.00	.01	.02	.04	.04	.06	.06	.07	.08	.09	.09	.040	.023	.032	2.162
VERMONT																	
BURLINGTON																	
470140003A01	77	26	.01	.01	.02	.04	.04	.04	.06	.08	.09	.11	.11	.040	.026	.033	2.004
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	.01	.01	.01	.01	.02	.03	.03	.03	.04	.04	.04	.019	.010	.016	1.718
	78	27	.00	.01	.01	.01	.01	.02	.02	.02	.03	.03	.03	.014	.008	.012	1.973
FAIRFAX CO																	
481060001A01	77*	27	.01	.01	.01	.02	.02	.02	.02	.02	.03	.07	.07	.019	.011	.017	1.519
HAMPTON																	
481440001A01	77	30	.01	.01	.02	.02	.02	.03	.03	.04	.10	.11	.11	.028	.023	.022	1.879
LYNCHBURG																	
481840002A01	77	30	.01	.02	.02	.04	.06	.06	.07	.13	.20	.27	.27	.058	.057	.040	2.322
	78	29	.01	.01	.02	.03	.04	.06	.11	.24	.29	.32	.32	.073	.090	.040	2.984
NORFOLK																	
482140001A01	77	29	.01	.01	.01	.02	.02	.02	.02	.03	.03	.04	.04	.018	.008	.016	1.505
	78	29	.01	.01	.01	.02	.02	.03	.03	.04	.04	.06	.06	.021	.013	.018	1.811
	79	29	.00	.01	.01	.02	.02	.02	.03	.03	.06	.08	.08	.020	.016	.016	1.966
PORTSMOUTH																	
482440001A01	77	30	.01	.01	.01	.01	.02	.02	.03	.03	.03	.04	.04	.019	.008	.017	1.527
	78*	25	.01	.01	.02	.02	.02	.03	.03	.05	.06	.09	.09	.027	.018	.023	1.755
RICHMOND																	
482660002A01	77	30	.01	.01	.02	.02	.02	.02	.03	.03	.04	.06	.06	.022	.011	.020	1.594
ROANOKE																	
482700003A01	77	29	.01	.01	.02	.03	.03	.04	.05	.06	.08	.14	.14	.036	.027	.029	1.858

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	.01	.01	.01	.02	.02	.03	.03	.04	.05	.08	.08	.024	.016	.020	1.783
	78	30	.01	.01	.02	.02	.03	.03	.03	.04	.05	.05	.05	.025	.012	.023	1.636
SPOKANE																	
492040001A01	77*	26	.00	.01	.02	.03	.03	.04	.05	.05	.08	.09	.09	.033	.023	.025	2.193
	78	27	.00	.01	.02	.03	.03	.04	.04	.06	.10	.13	.13	.032	.029	.023	2.474
	79*	25	.01	.02	.03	.04	.05	.06	.06	.09	.09	.14	.14	.047	.029	.040	1.890
TACOMA																	
492140001A01	77	28	.00	.01	.02	.03	.03	.04	.05	.06	.06	.07	.07	.030	.018	.024	2.151
	78	30	.00	.01	.02	.02	.03	.04	.05	.07	.08	.08	.08	.032	.023	.025	2.045
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	.01	.01	.02	.02	.03	.03	.04	.06	.18	.26	.26	.042	.057	.028	2.202
	78*	23	.01	.01	.02	.04	.05	.06	.07	.13	.43	.67	.67	.088	.152	.045	2.858
SOUTH CHARLEST																	
501760001A01	77	29	.01	.01	.02	.02	.02	.03	.04	.06	.11	.17	.17	.034	.038	.024	2.193
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	.01	.01	.01	.02	.02	.02	.03	.04	.04	.04	.04	.019	.012	.016	1.911
	78	25	.00	.01	.01	.01	.02	.02	.02	.03	.04	.04	.04	.015	.010	.013	1.899
	79	29	.00	.00	.01	.01	.01	.01	.01	.02	.02	.03	.03	.010	.006	.008	1.729
KENOSHA																	
511540001A01	77*	23	.01	.01	.02	.03	.03	.04	.04	.06	.07	.08	.08	.032	.019	.027	1.852
511540003A01	78	30	.01	.01	.02	.03	.03	.04	.05	.06	.11	.21	.21	.038	.039	.028	2.131
	79	27	.01	.01	.01	.02	.02	.02	.03	.03	.04	.08	.08	.021	.015	.017	1.753
MADISON																	
511860001A01	77	28	.01	.01	.01	.02	.02	.03	.03	.04	.05	.05	.05	.024	.014	.020	1.832
	78	29	.00	.01	.02	.03	.04	.04	.05	.06	.06	.07	.07	.033	.017	.027	2.000
	79*	26	.00	.01	.01	.01	.02	.02	.04	.04	.05	.05	.05	.019	.014	.015	2.099
MILWAUKEE																	
512200099A01	77	26	.01	.02	.02	.03	.05	.06	.07	.08	.08	.15	.15	.044	.032	.034	2.027
	78	25	.01	.01	.02	.06	.07	.09	.10	.14	.14	.17	.17	.066	.047	.047	2.513
	79	29	.01	.01	.02	.03	.03	.04	.05	.08	.11	.13	.13	.040	.032	.029	2.218

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	.01	.01	.02	.03	.03	.03	.03	.09	.22	.28	.28	.049	.065	.031	2.337
	78	29	.00	.01	.02	.04	.05	.06	.06	.11	.12	.14	.14	.048	.035	.035	2.332
	79	29	.00	.01	.02	.02	.03	.03	.04	.05	.06	.09	.09	.027	.020	.020	2.222
SUPERIOR																	
513480001A01	77	21	.01	.01	.03	.07	.09	.11	.12	.14	.16	.21	.21	.075	.054	.055	2.383
	78	26	.01	.02	.03	.06	.09	.10	.10	.12	.17	.22	.22	.073	.052	.056	2.202
513480006A01	79	28	.00	.01	.04	.11	.12	.16	.17	.25	.29	.53	.53	.124	.114	.070	3.031

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	.00	.00	.01	.01	.01	.01	.02	.02	.02	.02	.009	.006	.008	2.119
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	.00	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.010	.005	.008	2.104
DELAWARE																	
KENT CO																	
080060001A03	77	29	.00	.01	.01	.01	.02	.02	.02	.03	.05	.08	.08	.020	.016	.016	1.865
	78	30	.00	.00	.01	.01	.02	.02	.02	.02	.02	.05	.05	.016	.009	.013	2.009
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	.00	.00	.00	.00	.00	.00	.01	.01	.02	.06	.06	.008	.013	.005	2.323
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.00				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	.00	.01	.01	.01	.01	.02	.03	.03	.08	.08	.015	.016	.009	2.776
	78	29	LD	LD	.00	.01	.01	.01	.01	.01	.03	.03	.03	.007	.008	.004	3.673
INDIANA																	
MONROE CO																	
152800001A03	77*	18	.01	.01	.01	.01	.01	.02	.02	.03	.03	.05	.05	.015	.010	.013	1.753
	78*	20	.01	.01	.01	.01	.01	.02	.02	.02	.03	.07	.07	.016	.014	.013	1.908
	79	28	LD	LD	LD	.01	.01	.01	.01	.01	.02	.02	.02	.007	.006	.004	3.225
PARKE CO																	
153260001A03	77*	22	.01	.01	.01	.01	.01	.01	.02	.03	.03	.04	.04	.015	.009	.013	1.695

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	LD	.00	.00	.01	.01	.01	.01	.01	.01	.01	.005	.003	.004	1.977
	78*	23	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.02	.007	.005	.005	2.177
	79*	19	LD	LD	LD	.00	.00	.00	.00	.01	.01	.01	.01	.003	.003	.002	2.423
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	LD	.00	.01	.01	.01	.01	.01	.02	.02	.02	.02	.011	.005	.009	2.038
	78*	23	.00	.00	.00	.01	.01	.01	.01	.02	.02	.03	.03	.010	.008	.007	2.372
	79	25	LD	LD	.00	.01	.01	.01	.01	.01	.01	.01	.01	.006	.004	.004	2.522
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	.00	.00	.00	.01	.01	.01	.01	.01	.02	.08	.08	.011	.015	.008	2.236
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	.00	.00	.01	.01	.01	.02	.02	.02	.02	.07	.07	.014	.013	.011	2.012
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.01				
ROSEBUD CO																	
271360026A03	77*	24	LD	LD	.00	.01	.01	.01	.02	.02	.02	.02	.02	.010	.007	.007	2.618
	78*	24	LD	LD	.00	.01	.01	.01	.01	.02	.02	.03	.03	.010	.008	.006	3.621
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.006	.004	.005	2.014
	78*	24	LD	LD	.00	.00	.00	.01	.01	.01	.01	.03	.03	.005	.006	.003	3.091
	79	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.01				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	LD	.00	.00	.01	.01	.01	.01	.02	.02	.02	.006	.005	.004	2.578
	78*	19	LD	LD	.00	.00	.00	.01	.01	.01	.01	.02	.02	.004	.004	.002	3.235

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	79*	16	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.01				
NEW YORK																	
JEFFERSON CO																	
333340001A03	79*	19	LD	LD	.00	.01	.01	.01	.01	.01	.01	.03	.03	.007	.006	.005	2.443
OREGON																	
CURRY CO																	
380440001A03	77	28	LD	.00	.00	.00	.00	.01	.01	.01	.01	.01	.01	.004	.002	.004	1.832
	78*	24	.00	.00	.00	.00	.00	.01	.01	.01	.02	.03	.03	.006	.007	.004	2.211
PENNSYLVANIA																	
CLARION CO																	
391760001A03	77*	25	.00	.00	.01	.01	.01	.02	.02	.03	.04	.04	.04	.014	.010	.011	2.045
	78	30	.00	.00	.00	.01	.01	.01	.02	.02	.03	.03	.03	.011	.008	.007	2.654
RHODE ISLAND																	
WASHINGTON CO																	
410380002A03	77*	19	.00	.00	.01	.01	.01	.01	.01	.02	.02	.05	.05	.011	.010	.009	1.780
	78*	17	.00	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.007	.004	.006	1.717
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A03	77*	19	.00	.00	.00	.01	.01	.01	.01	.02	.02	.18	.18	.018	.041	.008	2.808
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A03	77*	24	LD	LD	.00	.00	.00	.00	.01	.01	.01	.01	.01	.004	.002	.003	1.994
	78	27	.00	.00	.00	.00	.00	.01	.01	.01	.01	.02	.02	.005	.004	.004	1.880
TENNESSEE																	
CUMBERLAND CO																	
440680001A03	77	29	.00	.01	.01	.01	.01	.02	.02	.04	.04	.24	.24	.023	.044	.013	2.397

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12132 - MANGANESE
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY 95% CONF.

DISCR. LIMIT (UG/M3)		PRECISION (%)
1977	.0016	+-24.0
1978	.0008	+-12.0
1979	.0016	+-53.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	LD	.00	.00	.01	.01	.01	.01	.02	.02	.02	.007	.006	.004	3.567
TOM GREEN CO																	
455200001A03	77	26	.00	.01	.01	.01	.01	.01	.02	.02	.02	.03	.03	.012	.006	.010	1.695
	78*	17	.00	.00	.00	.01	.01	.01	.02	.02	.03	.06	.06	.013	.014	.008	2.519
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	.00	.01	.01	.01	.01	.02	.02	.03	.04	.08	.08	.018	.017	.014	2.119
	79*	18	LD	LD	.00	.01	.01	.01	.01	.01	.01	.01	.01	.006	.004	.004	2.700
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	.00	.00	.01	.01	.01	.01	.01	.02	.02	.02	.008	.005	.006	1.975
	78*	18	.00	.00	.00	.01	.01	.01	.01	.02	.03	.03	.03	.011	.009	.008	2.286
	79	29	LD	LD	.00	.00	.00	.01	.01	.01	.02	.02	.02	.005	.005	.004	2.629
WYTHE CO																	
483440001A03	77	30	LD	.00	.00	.01	.01	.01	.01	.02	.02	.03	.03	.009	.007	.006	2.276
	78*	17	LD	.00	.01	.01	.01	.01	.01	.01	.01	.02	.02	.009	.005	.007	2.393
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	.00	.00	.00	.01	.01	.02	.02	.02	.02	.02	.008	.007	.006	2.431
	78*	16	.00	.00	.00	.01	.01	.01	.02	.02	.03	.05	.05	.011	.013	.006	2.849
510780002A03	79*	22	LD	.00	.01	.01	.01	.01	.01	.01	.02	.02	.02	.008	.005	.006	2.115
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	LD	LD	.00	.00	.01	.01	.01	.01	.01	.01	.005	.004	.003	2.821

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.007				
	78*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.007				
GADSDEN																	
011480001A01	77	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.004				
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
HUNTSVILLE																	
011860001A01	77	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.029				
	78*	15	LD	LD	.008	.010	.011	.013	.014	.017	.017	.018	.018	.0101	.0052	.0082	2.173
MOBILE																	
012380001A01	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
MONTGOMERY																	
012460001A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.002				
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.003				
	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.006				
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
FAIRBANKS																	
020160001A01	77*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
020160016A01	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.006				
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.006				
	78	24	LD	LD	LD	.005	.005	.006	.007	.009	.010	.017	.017	.0048	.0039	.0035	2.290
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
PHOENIX																	
030600002A01	77*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
	78*	22	LD	LD	LD	.005	.006	.007	.008	.009	.010	.012	.012	.0053	.0032	.0042	2.144
	79*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.003				
TUCSON																	
030060001A01	77	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.006				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.013				
	79	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.005				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TEXARKANA																	
042560001A01	78*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
WEST MEMPHIS																	
042740004A01	78*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.004				
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.008				
	78*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.006				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BERKELEY																	
050740001A01	77	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.005				
	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.004				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BURBANK																	
050900002A01	77	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.006				
FRESNO																	
052800002A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.004				
	78*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.013				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
LONG BEACH																	
054100001A01	77	27	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.024				
LOS ANGELES																	
054180001A01	77	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
	78*	20	LD	LD	LD	.004	.005	.006	.006	.007	.007	.008	.008	.0041	.0024	.0034	2.008
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.004				
ONTARIO																	
055380001A01	77	30	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
	78*	24	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.009				
	79*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.007				
PASADENA																	
055760002A01	77	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
SACRAMENTO																	
056580001A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.003				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.015				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SAN BERNARDINO																	
056680001A01	77	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.014				
	78*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.099				
	79*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
SAN DIEGO																	
056800004A01	77	30	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.007				
	78*	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.007				
	79*	20	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.009				
SAN FRANCISCO																	
056860001A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.003				
SAN JOSE																	
056980004A01	77	30	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.008				
	78*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.004				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SANTA ANA																	
057180001A01	77	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.004				
	78*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TORRANCE																	
058260001A01	77	29	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.016				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	.002	.002	.005	.009	.012	.014	.017	.023	.045	.050	.050	.0136	.0137	.0089	2.629
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.009				
	79	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.011				
HARTFORD																	
070420002A01	77*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
	78*	21	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.009				
NEW HAVEN																	
070700001A01	77*	15	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.004				
070700123A01	79	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.005				
WATERBURY																	
071240123A01	77*	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
	78	31	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.008				
	79	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.005				
DELAWARE																	
NEWARK																	
080140001A01	77	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.005				
WILMINGTON																	
080260002A01	77	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.006				
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
JACKSONVILLE																	
101960002A01	77	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.011				
101960049A01	78*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.009				
	79	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
MIAMI																	
102700002A01	77*	20	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.005				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79*	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
GEORGIA																	
ATLANTA																	
110200001A01	77	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
COLUMBUS																	
111280001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
SAVANNAH																	
114500001A01	77*	18	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.004				
HAWAII																	
HONOLULU																	
120120001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.003				
IDAHO																	
BOISE CITY																	
130220001A01	77	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.003				
	78	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
CHICAGO																	
141220001A01	77*	18	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.008				
MOLINE																	
145120001A01	77*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
NORTH CHICAGO																	
145620002A01	77*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.006				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.009				
ROCK ISLAND																	
146700001A01	77*	21	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.018				
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	LD	LD	.008	.018	.023	.035	.048	.069	.084	.213	.213	.0325	.0448	.0150	4.132
	78*	18	LD	LD	LD	.005	.007	.007	.007	.030	.038	.066	.066	.0115	.0169	.0057	3.152
EVANSVILLE																	
151300001A01	77*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
151300006A01	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
FORT WAYNE																	
151380003A01	77*	23	LD	LD	LD	.005	.005	.006	.007	.015	.016	.017	.017	.0054	.0051	.0034	2.900
	78	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.024				
GARY																	
151520001A01	77*	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.081				
	78*	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.030				
	79*	21	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.019				
HAMMOND																	
151780001A01	78*	24	LD	LD	.004	.006	.006	.007	.010	.011	.017	.022	.022	.0067	.0050	.0053	2.101
	79*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.043				
151780002A01	77*	20	LD	LD	LD	LD	.003	.004	.005	.007	.015	.019	.019	.0040	.0048	.0024	2.694
INDIANAPOLIS																	
152040002A01	77	27	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
	78*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.008				
	79*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.022				
NEW ALBANY																	
152980002A01	77*	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
	78*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
SOUTH BEND																	
153880002A01	77*	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.014				
	78*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
TERRE HAUTE																	
154080001A01	77*	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.010				
	78	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.006				
DAVENPORT																	
161060001A01	77*	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
	78	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.090				
	79*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
DES MOINES																	
161180001A01	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
DUBUQUE																	
161260002A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
161260008A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
	78*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
WATERLOO																	
163760004A01	77	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.006				
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.009				
171800012A01	77	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.003				
171800015A01	77	30	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.005				
	78	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
TOPEKA																	
173560001A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.005				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.003				
	78*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.004				
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.016				
	78*	19	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.025				
BOWLING GREEN																	
180320001A01	77	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.004				
COVINGTON																	
180800001A01	77	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.010				
	78*	18	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.013				
	79	30	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.009				
LEXINGTON																	
182300001A01	77*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.003				
182300003A01	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
LOUISVILLE																	
182380002A01	77	26	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.035				
182380035A01	79*	16	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.005				
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.041				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
IBERVILLE PAR																	
191280002A01	77	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.005				
	78	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
NEW ORLEANS																	
192020002A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.010				
SHREVEPORT																	
192740001A01	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.003				
	78	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.008				
	79	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.029				
	79	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.017				
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	79*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
CAMBRIDGE																	
220360001A01	78	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.004				
FALL RIVER																	
220580001A01	78	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	79*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.004				
NEW BEDFORD																	
221500002A01	78	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
SPRINGFIELD																	
222160002A01	78	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.007				
	79*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.005				
WORCHESTER																	
222640004A01	77	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.004				
	78	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.008				
	79	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.005				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.004				
	78*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GRAND RAPIDS																	
231820001A01	77*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
LANSING																	
232840001A01	77*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
	78*	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.007				
SAGINAW																	
234760001A01	77	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.006				
	78*	22	LD	LD	LD	.005	.006	.007	.008	.011	.011	.013	.013	.0054	.0036	.0042	2.187
TRENTON																	
235120004A01	77*	21	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
241040017A01	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.004				
MINNEAPOLIS																	
242260027A01	77	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.004				
	78	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
ST PAUL																	
243300031A01	77*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.004				
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
	78	31	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.006				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
ST LOUIS																	
264280001A01	77	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.010				
MONTANA																	
HELENA																	
270720001A01	77*	28	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.004				
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.003				
	78	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.004				
OMAHA																	
281880034A01	77*	17	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
	78*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
	79	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.006				
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
	78*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	79*	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
RENO																	
290480001A01	77*	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.009				
	78	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
	79	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.004				
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.006				
	78	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.007				
CAMDEN																	
310720001A01	77*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.007				
	78	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.005				
CAMDEN CO																	
310740003A01	77*	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
	78*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.004				
ELIZABETH																	
311300002A01	78	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.006				
	79*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.004				
GLASSBORO																	
311700001A01	77*	21	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.005				
	78	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.008				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
JERSEY CITY																	
312320001A01	77*	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.007				
	78*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.006				
	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NEWARK																	
313480001A01	77*	21	LD	LD	LD	.002	.004	.004	.005	.006	.007	.008	.008	.0031	.0023	.0023	2.242
	78	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.008				
	79	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
PATERSON																	
314140001A01	77*	16	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.004				
314140005A01	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PERTH AMBOY																	
314220001A01	77	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.003				
	78	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
TRENTON																	
315400001A01	77*	19	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.008				
	78	31	LD	NO. OF SAMPLES (31) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.006				
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
	78*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
NEW YORK																	
ALBANY																	
330040001A01	79*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.005				
BUFFALO																	
330660001A01	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
NIAGARA FALLS																	
334740001A01	79	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.008				
ROCHESTER																	
335760001A01	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
SYRACUSE																	
336620001A01	79*	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.025				
UTICA																	
336880001A01	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
YONKERS																	
337620001A01	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.004				
	78	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	79	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
DURHAM																	
341160001A01	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
341160006A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.004				
	78*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
MOREHEAD CITY																	
342720002A01	78	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	79*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
WINSTON-SALEM																	
344460002A01	77	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.006				
	78	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.004				
	79	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
OHIO																	
AKRON																	
360060014A01	77	26	LD	LD	LD	.003	.004	.005	.008	.008	.012	.014	.014	.0041	.0038	.0027	2.619
	78	26	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.007				
	79	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.012				
CANTON																	
361000001A01	77*	27	LD	.003	.004	.007	.008	.011	.015	.023	.028	.057	.057	.0112	.0118	.0074	2.562
	78*	25	LD	LD	.005	.008	.011	.014	.015	.024	.025	.030	.030	.0103	.0080	.0072	2.620
	79	27	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.275				
CINCINNATI																	
361220001A01	77	29	LD	LD	LD	.003	.003	.003	.004	.005	.011	.012	.012	.0031	.0028	.0022	2.234
	78	30	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.010				
	79	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.015				
361220019A01	78*	18	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
CLEVELAND																	
361300001A01	77*	19	LD	LD	.003	.003	.003	.004	.005	.006	.007	.007	.007	.0034	.0019	.0028	2.006
	78	26	LD	LD	LD	.004	.005	.005	.007	.011	.012	.012	.012	.0048	.0035	.0037	2.120
	79*	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.009				
COLUMBUS																	
361460001A01	77	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
	78*	26	LD	LD	LD	.004	.005	.005	.006	.007	.008	.010	.010	.0043	.0025	.0036	1.968
	79*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	LD	LD	LD	.002	.003	.003	.004	.005	.006	.007	.007	.0029	.0019	.0023	1.989
	78	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.004				
MANSFIELD																	
363840008A01	77*	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.008				
	78	29	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.019				
	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.006				
PORTSMOUTH																	
365620002A01	77	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
	78	27	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.005				
	79	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.005				
STEUBENVILLE																	
366420012A01	77*	21	LD	LD	LD	.004	.005	.006	.009	.014	.023	.041	.041	.0071	.0094	.0038	3.122
	78	24	LD	LD	LD	.004	.007	.009	.012	.018	.034	.041	.041	.0084	.0104	.0045	3.133
	79	28	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.076				
TOLEDO																	
366600001A01	77*	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.006				
366600006A01	78*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.014				
YOUNGSTOWN																	
367760001A01	77	26	LD	LD	.003	.005	.006	.006	.008	.009	.011	.012	.012	.0051	.0032	.0040	2.219
	78	27	LD	LD	LD	.006	.008	.010	.015	.018	.056	.120	.120	.0132	.0240	.0060	3.285
	79	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.020				
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
TULSA																	
373000110A01	77	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
	78*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
OREGON																	
PORTLAND																	
381460001A01	77	28	LD	LD	LD	.003	.004	.006	.007	.011	.019	.032	.032	.0053	.0071	.0028	3.044
	78*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.024				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.007				
	78*	19	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.006				
ALTOONA																	
390140001A01	77*	22	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.005				
BETHLEHEM																	
390780002A01	77	25	LD	LD	LD	.003	.005	.007	.008	.013	.027	.035	.035	.0060	.0083	.0030	3.246
	78*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.033				
ERIE																	
393060002A01	77	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.011				
HARRISBURG																	
393880361A01	77	30	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
	78	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.010				
HAZLETON																	
393960001A01	77	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.003				
	78	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.007				
JOHNSTOWN																	
394460803A01	77*	22	LD	LD	.005	.007	.008	.009	.012	.012	.015	.017	.017	.0074	.0046	.0056	2.495
LANCASTER CITY																	
394660002A01	77*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.004				
PHILADELPHIA																	
397140004A01	77	28	LD	LD	LD	LD	.003	.003	.003	.004	.008	.009	.009	.0027	.0022	.0000	2.130
PITTSBURGH																	
397260001A01	77*	20	LD	.006	.008	.014	.019	.022	.030	.032	.034	.062	.062	.0186	.0145	.0135	2.493
READING																	
397620001A01	77	29	LD	LD	LD	.003	.004	.005	.008	.017	.025	.052	.052	.0071	.0105	.0035	3.188
	78	29	LD	LD	LD	.007	.011	.013	.017	.020	.027	.096	.096	.0118	.0179	.0057	3.394
SCRANTON																	
398040001A01	77	28	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.005				
WARMINSTER																	
399160002A01	77*	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.006				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	LD	LD	LD	.003	.003	.004	.004	.005	.009	.011	.011	.0030	.0024	.0022	2.176
WILKES-BARRE																	
399430001A01	77	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.007				
YORK																	
399560322A01	77	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.031				
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
	78	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.003				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GUAYNABO CO																	
401140001A01	77	28	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
	78*	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PONCE																	
401920002A01	77*	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
	78	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.004				
	79	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
SABANA SECA																	
402065001A01	77*	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.005				
SAN JUAN CO																	
402160001A01	77*	24	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.005				
	78*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.004				
402160003A01	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
TOA BAJA CO																	
402320002A01	78*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
	78*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	78*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	LD	LD	LD	.002	.003	.005	.005	.009	.011	.011	.011	.0036	.0032	.0025	2.494
440380020A01	78	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.007				
	79	30	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.014				
KNOXVILLE																	
441740002A01	77*	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
441740003A01	78	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.006				
MEMPHIS																	
442340001A01	77*	15	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.005				
	78*	19	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.021				
442340013A01	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NASHVILLE																	
442540001A01	77*	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
TEXAS																	
AMARILLO																	
450070002A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
AUSTIN																	
450220010A01	77*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
	78	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.018				
	78	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.009				
CORPUS CHRISTI																	
451150001A01	77	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
	78	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
DALLAS																	
451310002A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
EL PASO																	
451700002A01	78*	17	LD	LD	LD	.007	.007	.010	.014	.015	.015	.020	.020	.0075	.0062	.0048	2.853
FORT WORTH																	
451880001A01	77	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.022				
	78	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.010				
HOUSTON																	
452560001A01	77*	15	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.008				
	78	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.008				
LUBBOCK																	
453340001A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.004				
	78	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
PASADENA																	
454060002A01	77*	27	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.009				
	78*	23	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.012				
SAN ANTONIO																	
454570034A01	77*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
	78	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
WICHITA FALLS																	
455560002A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
UTAH																	
OGDEN																	
460680001A01	77*	22	LD	LD	.003	.004	.005	.006	.011	.013	.018	.028	.028	.0065	.0065	.0042	2.716
	78	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.006				

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POLLUTANT - 12134 - MOLYBDENUM
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UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

YEAR	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	LD	LD	.003	.008	.009	.012	.021	.037	.051	.072	.072	.0148	.0180	.0076	3.399
	78*	25	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.020				
VERMONT																	
BURLINGTON																	
470140003A01	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.003				
	78	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
FAIRFAX CO																	
481060001A01	77*	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.003				
HAMPTON																	
481440001A01	77	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.015				
LYNCHBURG																	
481840002A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.005				
	78	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.004				
NORFOLK																	
482140001A01	77	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.003				
	78	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.005				
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
PORTSMOUTH																	
482440001A01	77	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.005				
	78*	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.008				
RICHMOND																	
482660002A01	77	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
ROANOKE																	
482700003A01	77	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.003				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.004				
	78	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.003				
SPOKANE																	
492040001A01	77*	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.003				
	78	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.011				
	79*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
TACOMA																	
492140001A01	77	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
	78	30	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.018				
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.002				
	78*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.010				
SOUTH CHARLEST																	
501760001A01	77	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.002				
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	28	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.004				
	78	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
KENOSHA																	
511540001A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
511540003A01	78	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.007				
	79	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
MADISON																	
511860001A01	77	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.005				
	78	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.006				
	79*	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.006				
MILWAUKEE																	
512200099A01	77	26	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.009				
	78	25	LD	LD	LD	.004	.005	.007	.008	.012	.014	.034	.034	.0060	.0071	.0037	2.633
	79	29	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.017				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.035				
	78	29	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.008				
	79	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.005				
SUPERIOR																	
513480001A01	77	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
	78	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
513480006A01	79	28	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.004				

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POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.003				
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
DELAWARE																	
KENT CO																	
080060001A03	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.006				
INDIANA																	
MONROE CO																	
152800001A03	77*	18	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.008				
	78*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
PARKE CO																	
153260001A03	77*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.007				

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POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.007				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.004				
	78*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
MISSOURI																	
SHANNON CO																	
264450002A03	77*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.002				
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.004				
ROSEBUD CO																	
271360026A03	77*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.004				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
	78*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
NEW YORK																	
JEFFERSON CO																	
333340001A03	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
OREGON																	
CURRY CO																	
380440001A03	77	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.003				
	78*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.010				
PENNSYLVANIA																	
CLARION CO																	
391760001A03	77*	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.008				
	78	30	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.011				
RHODE ISLAND																	
WASHINGTON CO																	
410380002A03	77*	19	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A03	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A03	77*	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.004				
	78	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.004				
TENNESSEE																	
CUMBERLAND CO																	
440680001A03	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12134 - MOLYBDENUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

NONURBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0020	+-37.0
1978	.0030	+-47.0
1979	.0025	+-57.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
TOM GREEN CO																	
455200001A03	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.004				
	79*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.003				
	78*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.009				
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
WYTHE CO																	
483440001A03	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.003				
	78*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
510780002A03	79*	22	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.029				
	78*	20	LD	LD	.005	.006	.007	.008	.009	.011	.011	.015	.015	.0069	.0034	.0059	1.850
GADSDEN																	
011480001A01	77	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.012				
	78*	17	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.008				
HUNTSVILLE																	
011860001A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.010				
	78*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
MOBILE																	
012380001A01	77*	19	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.065				
MONTGOMERY																	
012460001A01	77*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.013				
	78*	17	LD	LD	LD	.005	.005	.006	.008	.008	.013	.014	.014	.0052	.0038	.0040	2.231
	79*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
FAIRBANKS																	
020160001A01	77*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.017				
020160016A01	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.009				
ARIZONA																	
DOUGLAS																	
030240009A01	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	24	LD	LD	LD	LD	.004	.005	.005	.007	.007	.011	.011	.0035	.0026	.0008	2.897
	79	27	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
PHOENIX																	
030600002A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.013				
	78*	22	LD	.004	.006	.007	.009	.010	.011	.013	.014	.024	.024	.0086	.0047	.0074	1.807
	79*	20	LD	LD	.003	.005	.005	.008	.011	.014	.017	.017	.017	.0063	.0051	.0044	2.466
TUCSON																	
030860001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.016				
	79	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.010				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.013				
TEXARKANA																	
042560001A01	78*	16	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.010				
WEST MEMPHIS																	
042740004A01	78*	17	LD	.004	.006	.008	.008	.009	.010	.011	.013	.045	.045	.0096	.0095	.0075	2.002
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	LD	LD	LD	.016	.018	.020	.027	.030	.045	.057	.057	.0180	.0134	.0132	2.357
	78*	24	LD	LD	.011	.014	.018	.025	.026	.036	.036	.045	.045	.0183	.0114	.0138	2.464
	79*	20	.004	.009	.012	.014	.017	.018	.019	.025	.029	.034	.034	.0163	.0070	.0149	1.569
BERKELEY																	
050740001A01	77	30	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.072				
	78*	24	LD	LD	.005	.006	.007	.008	.011	.020	.028	.038	.038	.0089	.0088	.0059	2.590
	79*	20	LD	LD	.004	.005	.006	.007	.008	.009	.013	.015	.015	.0060	.0037	.0049	2.040
BURBANK																	
050900002A01	77	30	LD	.008	.016	.023	.029	.034	.038	.040	.053	.067	.067	.0278	.0152	.0235	1.880
FRESNO																	
052800002A01	77	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.028				
	78*	24	.005	.006	.009	.012	.014	.019	.021	.033	.041	.052	.052	.0171	.0121	.0140	1.887
	79*	20	.004	.004	.004	.005	.006	.006	.010	.011	.012	.020	.020	.0070	.0041	.0063	1.564
LONG BEACH																	
054100001A01	77	27	LD	.009	.016	.033	.036	.038	.045	.078	.089	.093	.093	.0349	.0257	.0261	2.314
LOS ANGELES																	
054180001A01	77	30	LD	LD	.018	.023	.030	.031	.033	.038	.050	.058	.058	.0253	.0130	.0212	1.980
	78*	20	.007	.009	.019	.025	.028	.032	.036	.043	.049	.061	.061	.0273	.0136	.0240	1.729
	79*	19	.009	.010	.012	.021	.021	.023	.028	.035	.037	.042	.042	.0211	.0097	.0190	1.613

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UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.062				
ONTARIO																	
055380001A01	77	30	LD	LD	.015	.024	.025	.027	.029	.034	.049	.050	.050	.0225	.0118	.0189	1.943
	78*	24	LD	.007	.014	.018	.020	.026	.029	.044	.045	.049	.049	.0220	.0129	.0180	2.118
	79*	21	.003	.006	.012	.015	.018	.023	.025	.028	.036	.041	.041	.0182	.0099	.0155	1.863
PASADENA																	
055760002A01	77	29	LD	.009	.014	.018	.019	.021	.027	.032	.040	.056	.056	.0201	.0111	.0173	1.811
SACRAMENTO																	
056580001A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.010				
	78*	24	LD	LD	LD	.005	.006	.007	.008	.009	.029	.046	.046	.0071	.0100	.0040	2.852
	79*	21	LD	LD	LD	.004	.004	.007	.008	.010	.010	.011	.011	.0045	.0036	.0031	2.499
SAN BERNARDINO																	
056680001A01	77	29	LD	LD	LD	.022	.024	.026	.027	.036	.043	.044	.044	.0188	.0131	.0134	2.525
	78*	24	LD	LD	.010	.015	.018	.024	.029	.033	.033	.092	.092	.0198	.0186	.0125	3.152
	79*	20	.005	.006	.015	.018	.022	.025	.025	.033	.036	.058	.058	.0210	.0123	.0179	1.828
SAN DIEGO																	
056800004A01	77	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.020				
	78*	24	LD	.004	.008	.009	.010	.010	.012	.017	.024	.026	.026	.0102	.0058	.0087	1.859
	79*	20	LD	LD	.004	.006	.007	.007	.008	.011	.013	.014	.014	.0066	.0035	.0056	1.894
SAN FRANCISCO																	
056860001A01	77	30	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.057				
SAN JOSE																	
056980004A01	77	30	LD	LD	LD	LD	.011	.012	.015	.018	.023	.028	.028	.0096	.0068	.0080	1.973
	78*	24	.003	.006	.010	.013	.014	.019	.020	.029	.035	.037	.037	.0156	.0091	.0132	1.844
	79*	20	LD	.005	.005	.008	.009	.010	.017	.018	.020	.027	.027	.0103	.0064	.0085	1.982
SANTA ANA																	
057180001A01	77	29	LD	LD	.010	.017	.021	.024	.027	.031	.040	.053	.053	.0186	.0123	.0144	2.192
	78*	20	LD	LD	.008	.016	.018	.019	.023	.031	.041	.049	.049	.0171	.0128	.0119	2.721
	79*	20	LD	.006	.010	.013	.016	.020	.024	.026	.031	.042	.042	.0165	.0097	.0135	2.119
TORRANCE																	
058260001A01	77	29	LD	LD	.017	.024	.025	.032	.040	.046	.058	.063	.063	.0265	.0154	.0215	2.072

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POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.011				
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	LD	LD	.005	.008	.010	.012	.015	.018	.020	.044	.044	.0102	.0084	.0075	2.375
	79	27	LD	LD	.007	.009	.011	.012	.019	.022	.031	.032	.032	.0117	.0082	.0088	2.389
HARTFORD																	
070420002A01	77*	16	LD	.009	.011	.014	.016	.017	.025	.027	.032	.049	.049	.0177	.0109	.0152	1.768
	78*	21	LD	LD	.009	.013	.013	.015	.016	.019	.020	.021	.021	.0122	.0054	.0102	2.115
NEW HAVEN																	
070700001A01	77*	15	.010	.011	.014	.019	.023	.023	.026	.027	.027	.052	.052	.0209	.0105	.0190	1.538
070700123A01	79	27	LD	.003	.009	.012	.013	.018	.019	.023	.026	.035	.035	.0136	.0079	.0108	2.239
WATERBURY																	
071240123A01	77*	26	LD	LD	LD	.011	.014	.016	.018	.019	.032	.046	.046	.0133	.0098	.0104	2.065
	78	31	LD	LD	.006	.008	.010	.015	.017	.019	.020	.046	.046	.0114	.0091	.0085	2.300
	79	27	LD	LD	.006	.009	.009	.010	.013	.015	.017	.022	.022	.0089	.0050	.0072	2.155
DELAWARE																	
NEWARK																	
080140001A01	77	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.027				
WILMINGTON																	
080260002A01	77	27	LD	.019	.027	.032	.035	.041	.054	.059	.071	.090	.090	.0368	.0192	.0318	1.839
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.008				
JACKSONVILLE																	
101960002A01	77	28	LD	LD	LD	.013	.016	.024	.028	.043	.050	.070	.070	.0188	.0170	.0126	2.534
101960049A01	78*	23	LD	LD	.006	.012	.013	.018	.025	.034	.048	.048	.048	.0153	.0143	.0088	3.388
	79	26	LD	.003	.012	.018	.022	.024	.035	.049	.060	.067	.067	.0229	.0180	.0152	2.959
MIAMI																	
102700002A01	77*	20	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.034				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.024				
	78*	23	LD	.004	.006	.007	.007	.009	.010	.014	.016	.019	.019	.0081	.0041	.0071	1.741
	79*	22	LD	LD	.004	.005	.006	.007	.010	.010	.014	.014	.014	.0062	.0037	.0051	2.020
GEORGIA																	
ATLANTA																	
110200001A01	77	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.041				
	78*	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.009				
COLUMBUS																	
111280001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
SAVANNAH																	
114500001A01	77*	18	LD	LD	LD	LD	.011	.013	.023	.026	.037	.039	.039	.0130	.0118	.0089	2.399
HAWAII																	
HONOLULU																	
120120001A01	77	30	LD	LD	.014	.018	.019	.024	.030	.036	.046	.047	.047	.0201	.0123	.0159	2.173
	79	29	.007	.008	.012	.015	.015	.019	.021	.024	.026	.031	.031	.0158	.0061	.0147	1.487
IDAHO																	
BOISE CITY																	
130220001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.005				
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.061				
CHICAGO																	
141220001A01	77*	18	LD	LD	LD	LD	.010	.015	.017	.021	.037	.038	.038	.0119	.0109	.0084	2.281
MOLINE																	
145120001A01	77*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.016				
NORTH CHICAGO																	
145620002A01	77*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.023				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
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UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146050001A01	77*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.010				
ROCK ISLAND																	
146700001A01	77*	21	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.184				
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	LD	LD	.020	.032	.034	.037	.043	.051	.057	.149	.149	.0341	.0288	.0255	2.288
	78*	18	.005	.008	.009	.013	.025	.028	.030	.052	.068	.070	.070	.0245	.0201	.0184	2.182
EVANSVILLE																	
151300001A01	77*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.015				
151300006A01	78*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.016				
	79*	21	LD	LD	LD	.003	.004	.006	.006	.008	.010	.022	.022	.0045	.0048	.0029	2.494
FORT WAYNE																	
151380003A01	77*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.016				
	78	25	LD	LD	LD	.005	.005	.006	.006	.010	.012	.013	.013	.0048	.0035	.0036	2.234
GARY																	
151520001A01	77*	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.023				
	78*	25	LD	.004	.005	.008	.009	.010	.011	.018	.024	.052	.052	.0103	.0100	.0076	2.198
	79*	21	LD	LD	LD	.004	.004	.004	.008	.012	.015	.017	.017	.0048	.0049	.0030	2.616
HAMMOND																	
151780001A01	78*	24	.004	.005	.007	.008	.010	.011	.014	.022	.038	.050	.050	.0126	.0109	.0100	1.878
	79*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.031				
151780002A01	77*	20	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.021				
INDIANAPOLIS																	
152040002A01	77	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.013				
	78*	19	LD	LD	.004	.006	.006	.006	.006	.008	.009	.017	.017	.0058	.0034	.0050	1.783
	79*	19	LD	LD	LD	.004	.004	.005	.007	.012	.015	.017	.017	.0054	.0048	.0038	2.458
NEW ALBANY																	
152980002A01	77*	24	LD	LD	.009	.012	.015	.015	.018	.020	.028	.035	.035	.0130	.0079	.0108	1.924
	78*	22	LD	LD	.006	.007	.008	.010	.016	.017	.021	.091	.091	.0126	.0184	.0078	2.617
SOUTH BEND																	
153880002A01	77*	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.028				
	78*	23	LD	LD	.004	.006	.006	.006	.007	.007	.008	.009	.009	.0050	.0020	.0045	1.734

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY 95% CONF.

DISCR. LIMIT (UG/M3)		PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.015				
TERRE HAUTE																	
154080001A01	77*	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.012				
	78	24	LD	LD	.004	.005	.006	.007	.007	.008	.008	.008	.008	.0051	.0024	.0044	1.930
	79*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.007				
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.014				
DAVENPORT																	
161060001A01	77*	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.050				
	78	28	LD	LD	.005	.008	.008	.012	.014	.047	.371	.474	.474	.0456	.1122	.0104	4.386
	79*	22	LD	LD	LD	.005	.005	.007	.013	.016	.016	.067	.067	.0087	.0140	.0045	3.048
DES MOINES																	
161180001A01	78*	23	LD	LD	.003	.004	.005	.005	.005	.007	.007	.007	.007	.0040	.0019	.0034	1.830
	79*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.009				
DUBUQUE																	
161260002A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.009				
161260008A01	77*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.010				
	78*	22	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.007				
WATERLOO																	
163760004A01	77	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.012				
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	LD	.004	.005	.007	.008	.010	.017	.019	.027	.052	.052	.0111	.0106	.0083	2.112
171800012A01	77	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.024				
171800015A01	77	30	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.025				
	78	28	LD	.003	.005	.006	.007	.010	.011	.013	.014	.018	.018	.0076	.0040	.0066	1.748
TOPEKA																	
173560001A01	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	26	LD	LD	.003	.004	.004	.004	.005	.006	.007	.013	.013	.0040	.0025	.0033	1.888

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.009				
	78*	25	LD	LD	LD	.004	.004	.005	.005	.006	.007	.008	.008	.0034	.0022	.0000	2.011
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.099				
	78*	19	.008	.008	.011	.014	.021	.023	.027	.101	.110	.129	.129	.0316	.0375	.0202	2.401
BOWLING GREEN																	
180320001A01	77	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.009				
COVINGTON																	
180800001A01	77	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.009				
	78*	18	.004	.004	.005	.007	.008	.009	.009	.014	.015	.021	.021	.0087	.0045	.0078	1.590
	79	30	LD	LD	LD	.005	.006	.007	.008	.010	.012	.013	.013	.0053	.0037	.0039	2.397
LEXINGTON																	
182300001A01	77*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.009				
182300003A01	79	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
LOUISVILLE																	
182380002A01	77	26	LD	LD	LD	.018	.046	.051	.068	.191	.468	.645	.645	.0824	.1534	.0223	5.275
182380035A01	79*	16	LD	LD	.005	.008	.023	.028	.042	.053	.064	.109	.109	.0246	.0299	.0104	4.611
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.038				
	78*	24	LD	LD	LD	LD	.003	.004	.004	.005	.006	.010	.010	.0030	.0022	.0000	1.912
IBERVILLE PAR																	
191280002A01	77	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.025				
	78	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.019				
NEW ORLEANS																	
192020002A01	77	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.178				
	78*	24	LD	LD	.003	.008	.010	.015	.031	.046	.138	.183	.183	.0250	.0443	.0090	4.238
SHREVEPORT																	
192740001A01	78*	24	LD	LD	LD	.004	.004	.006	.007	.008	.008	.008	.008	.0043	.0026	.0035	2.061

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POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	LD	LD	.011	.013	.016	.019	.026	.034	.044	.062	.062	.0181	.0142	.0137	2.191
	78	27	LD	.004	.010	.011	.012	.013	.016	.025	.035	.044	.044	.0138	.0098	.0111	2.025
	79	23	LD	LD	.002	.005	.009	.009	.016	.021	.022	.023	.023	.0087	.0077	.0053	2.957
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	LD	LD	LD	.009	.011	.016	.022	.027	.031	.050	.050	.0133	.0112	.0097	2.254
	79	26	.004	.005	.011	.016	.019	.022	.030	.037	.038	.049	.049	.0189	.0122	.0151	2.041
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	LD	.006	.010	.015	.023	.025	.029	.032	.036	.055	.055	.0192	.0122	.0152	2.170
	79*	20	LD	LD	.004	.007	.009	.011	.014	.018	.021	.029	.029	.0095	.0074	.0066	2.692
CAMBRIDGE																	
220360001A01	78	28	LD	.004	.006	.008	.010	.012	.015	.023	.024	.029	.029	.0109	.0071	.0089	1.945
	79*	21	LD	LD	.002	.006	.007	.010	.020	.020	.026	.026	.026	.0089	.0083	.0055	2.936
FALL RIVER																	
220580001A01	78	29	LD	LD	.008	.013	.014	.021	.029	.033	.041	.068	.068	.0175	.0149	.0118	2.748
	79*	15	.004	.008	.011	.014	.018	.022	.023	.031	.031	.042	.042	.0177	.0100	.0153	1.783
NEW BEDFORD																	
221500002A01	78	26	LD	LD	.005	.008	.011	.015	.018	.022	.028	.063	.063	.0121	.0131	.0073	2.969
	79	27	LD	LD	.005	.008	.009	.016	.020	.029	.048	.098	.098	.0146	.0199	.0079	3.197
SPRINGFIELD																	
222160002A01	78	29	LD	.005	.010	.013	.014	.015	.017	.027	.036	.038	.038	.0145	.0088	.0121	1.950
	79*	23	LD	LD	LD	.006	.008	.013	.017	.027	.032	.039	.039	.0103	.0113	.0050	3.781
WORCHESTER																	
222640004A01	77	23	LD	NO. OF SAMPLES ([illegible]2) BELOW MIN. DET. > 50%									.031				
	78	29	LD	.006	.008	.011	[illegible]	.017	.018	.029	.042	.048	.048	.0149	.0109	.0118	2.048
	79	27	LD	LD	LD	.009	.010	.014	.021	.023	.034	.037	.037	.0113	.0103	.0064	3.360
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.013				

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POLLUTANT - 12136 - NICKEL
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UNITS - 01 - UG/CU METER (25 C)

A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.041				
	78*	22	LD	LD	LD	.003	.004	.005	.006	.006	.006	.009	.009	.0037	.0024	.0030	2.033
GRAND RAPIDS																	
231820001A01	77*	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.015				
LANSING																	
232840001A01	77*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.030				
	78*	23	LD	LD	LD	.004	.004	.004	.004	.006	.007	.008	.008	.0035	.0020	.0029	1.922
SAGINAW																	
234760001A01	77	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.012				
	78*	22	LD	LD	LD	.003	.004	.004	.005	.006	.007	.009	.009	.0034	.0022	.0027	1.988
TRENTON																	
235120004A01	77*	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.017				
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.016				
241040017A01	78*	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.009				
	79*	21	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.010				
MINNEAPOLIS																	
242260027A01	77	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.046				
	78	28	LD	LD	LD	.004	.007	.008	.010	.016	.017	.018	.018	.0062	.0055	.0040	2.751
ST PAUL																	
243300031A01	77*	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.030				
	78*	17	LD	NO. OF SAMPLES (9) BELOW MIN. DET. > 50%									.032				
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.014				
	78	31	LD	LD	LD	.003	.003	.003	.004	.006	.006	.010	.010	.0030	.0022	.0000	1.912

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY 262380002A01	78	29	LD	LD	LD	.004	.004	.005	.007	.010	.015	.017	.017	.0046	.0044	.0031	2.435
ST LOUIS 264280001A01	77	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.024				
MONTANA																	
HELENA 270720001A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.011				
NEBRASKA																	
LINCOLN 281560002A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
OMAHA 281880034A01	77*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
	78*	15	LD	NO. OF SAMPLES (8) BELOW MIN. DET. > 50%									.006				
	79	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
NEVADA																	
LAS VEGAS 290320001A01	77	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.012				
	78*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	79*	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.005				
RENO 290480001A01	77*	23	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.027				
	78	26	LD	LD	.004	.006	.009	.010	.015	.017	.026	.029	.029	.0089	.0075	.0059	2.684
	79	30	LD	LD	LD	.004	.005	.005	.008	.009	.012	.021	.021	.0048	.0045	.0032	2.495
NEW HAMPSHIRE																	
CONCORD 300120002A01	77*	18	LD	LD	.010	.014	.016	.017	.018	.029	.037	.040	.040	.0167	.0099	.0142	1.848
	79*	15	LD	LD	LD	.004	.005	.011	.014	.027	.027	.039	.039	.0089	.0112	.0042	3.639

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0082; 1978 .0027; 1979 .0025
95% CONF. PRECISION (%): 1977 +-35.0; 1978 +-41.0; 1979 +-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	LD	LD	.014	.019	.021	.022	.025	.031	.061	.097	.097	.0220	.0185	.0169	2.126
	78	23	.005	.006	.016	.021	.025	.026	.027	.045	.045	.060	.060	.0228	.0137	.0189	1.945
CAMDEN																	
310720001A01	77*	21	LD	.009	.016	.019	.020	.026	.034	.038	.043	.061	.061	.0230	.0133	.0196	1.833
	78	28	LD	.008	.016	.022	.026	.028	.030	.041	.045	.070	.070	.0248	.0141	.0204	2.115
CAMDEN CO																	
310740003A01	77*	24	LD	LD	LD	.014	.015	.019	.023	.026	.027	.039	.039	.0143	.0098	.0110	2.190
	78*	23	.003	.003	.007	.013	.015	.018	.018	.027	.029	.038	.038	.0142	.0090	.0114	2.072
ELIZABETH																	
311300002A01	78	29	LD	.006	.011	.017	.019	.021	.027	.032	.040	.043	.043	.0184	.0110	.0146	2.173
	79*	22	.005	.005	.012	.016	.017	.022	.025	.043	.047	.061	.061	.0199	.0146	.0157	2.025
GLASSBORO																	
311700001A01	77*	21	LD	LD	LD	.011	.014	.015	.016	.018	.028	.030	.030	.0122	.0074	.0101	1.925
	78	27	LD	LD	.007	.009	.010	.012	.013	.016	.020	.029	.029	.0096	.0064	.0072	2.454
	79*	22	LD	LD	.008	.009	.009	.010	.013	.017	.022	.030	.030	.0103	.0066	.0083	2.134
JERSEY CITY																	
312320001A01	77*	23	LD	LD	.016	.021	.023	.026	.026	.053	.120	.122	.122	.0294	.0306	.0211	2.218
	78*	23	.006	.006	.016	.022	.023	.027	.031	.041	.043	.059	.059	.0239	.0129	.0207	1.778
	79*	17	LD	LD	.004	.012	.013	.018	.019	.019	.020	.027	.027	.0116	.0081	.0075	3.095
NEWARK																	
313480001A01	77*	21	LD	LD	.012	.015	.018	.021	.023	.030	.031	.039	.039	.0166	.0101	.0133	2.112
	78	26	LD	.004	.012	.015	.021	.022	.027	.028	.039	.049	.049	.0185	.0112	.0143	2.403
	79	26	LD	LD	.006	.009	.011	.012	.022	.027	.044	.057	.057	.0137	.0136	.0083	3.089
PATERSON																	
314140001A01	77*	16	LD	LD	.012	.020	.023	.023	.028	.029	.032	.049	.049	.0199	.0116	.0164	2.016
314140005A01	78*	17	LD	LD	LD	.011	.012	.018	.024	.026	.027	.028	.028	.0126	.0098	.0076	3.379
	79*	19	LD	LD	.007	.007	.007	.010	.012	.016	.017	.035	.035	.0095	.0078	.0066	2.657
PERTH AMBOY																	
314220001A01	77	27	LD	LD	.010	.013	.014	.015	.018	.023	.033	.041	.041	.0142	.0086	.0119	1.868
	78	28	LD	.006	.011	.019	.021	.023	.024	.034	.079	.136	.136	.0241	.0268	.0164	2.471
TRENTON																	
315400001A01	77*	19	LD	LD	.011	.020	.025	.030	.037	.038	.046	.074	.074	.0237	.0180	.0175	2.352
	78	31	LD	LD	.007	.010	.015	.015	.019	.020	.027	.063	.063	.0134	.0119	.0096	2.438

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCP. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	LD	LD	.006	.013	.013	.015	.019	.023	.023	.029	.029	.0128	.0078	.0097	2.444
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.011				
	78*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.021				
NEW YORK																	
ALBANY																	
330040001A01	79*	16	.006	.013	.020	.024	.030	.035	.043	.050	.058	.063	.063	.0301	.0165	.0258	1.834
BUFFALO																	
330660001A01	79*	19	.004	.004	.005	.009	.010	.010	.012	.014	.015	.016	.016	.0090	.0040	.0082	1.594
NIAGARA FALLS																	
334740001A01	79	30	LD	LD	.004	.006	.011	.013	.014	.018	.049	.052	.052	.0108	.0120	.0067	2.781
ROCHESTER																	
335760001A01	79*	19	.003	.003	.005	.007	.007	.009	.009	.011	.020	.026	.026	.0082	.0059	.0069	1.765
SYRACUSE																	
336620001A01	79*	27	LD	.003	.005	.007	.008	.008	.010	.020	.027	.050	.050	.0099	.0103	.0070	2.266
UTICA																	
336880001A01	79	28	LD	.007	.008	.011	.012	.014	.016	.018	.039	.041	.041	.0131	.0086	.0110	1.898
YONKERS																	
337620001A01	79*	21	LD	.004	.006	.014	.017	.021	.026	.033	.036	.045	.045	.0166	.0119	.0123	2.399
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.021				
	78	30	LD	LD	.004	.006	.006	.008	.008	.010	.014	.015	.015	.0061	.0038	.0048	2.181
	79	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.017				
DURHAM																	
341160001A01	78*	23	LD	LD	.004	.006	.008	.009	.010	.012	.014	.015	.015	.0070	.0040	.0057	2.060
	79	28	LD	LD	LD	LD	.005	.006	.007	.011	.020	.022	.022	.0056	.0061	.0033	2.849
341160006A01	77	27	LD	LD	LD	.009	.010	.013	.020	.023	.037	.071	.071	.0130	.0145	.0087	2.337

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)
1977 .0082 +-35.0
1978 .0027 +-41.0
1979 .0025 +-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.020				
	78*	25	LD	.004	.006	.007	.008	.009	.009	.011	.013	.015	.015	.0075	.0031	.0068	1.632
MOREHEAD CITY																	
342720002A01	78	28	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.009				
	79*	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.004				
WINSTON-SALEM																	
344460002A01	77	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.023				
	78	29	LD	.004	.006	.007	.007	.008	.010	.012	.017	.024	.024	.0081	.0045	.0070	1.822
	79	25	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.025				
OHIO																	
AKRON																	
360060014A01	77	26	LD	LD	LD	.009	.011	.013	.016	.020	.026	.100	.100	.0134	.0188	.0089	2.268
	78	26	LD	.004	.006	.008	.012	.013	.014	.016	.019	.022	.022	.0099	.0054	.0083	1.898
	79	25	LD	LD	LD	.005	.006	.007	.009	.014	.016	.018	.018	.0058	.0048	.0039	2.580
CANTON																	
361000001A01	77*	27	LD	LD	LD	.011	.013	.014	.017	.022	.037	.044	.044	.0132	.0103	.0101	2.111
	78*	25	.003	.006	.010	.012	.015	.025	.028	.053	.055	.084	.084	.0215	.0195	.0157	2.206
	79	27	LD	LD	.006	.009	.011	.015	.017	.032	.041	.057	.057	.0133	.0134	.0081	3.040
CINCINNATI																	
361220001A01	77	29	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.201				
	78	30	.003	.005	.011	.013	.018	.023	.032	.058	.066	.069	.069	.0216	.0187	.0156	2.293
	79	28	LD	.003	.005	.008	.009	.012	.014	.019	.029	.074	.074	.0118	.0138	.0080	2.403
361220019A01	78*	18	LD	.003	.016	.054	.078	.088	.095	.110	.111	.156	.156	.0603	.0454	.0363	3.672
	79*	17	.003	.004	.010	.046	.053	.063	.092	.104	.114	.123	.123	.0473	.0420	.0264	3.541
CLEVELAND																	
361300001A01	77*	19	LD	LD	LD	.010	.011	.011	.015	.018	.018	.021	.021	.0104	.0056	.0089	1.817
	78	26	LD	.004	.007	.009	.012	.015	.017	.017	.030	.046	.046	.0126	.0092	.0101	2.022
	79*	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.025				
COLUMBUS																	
361460001A01	77	25	LD	LD	LD	.012	.013	.016	.042	.061	.077	.128	.128	.0225	.0306	.0112	3.152
	78*	26	.003	.004	.005	.007	.012	.019	.030	.034	.049	.065	.065	.0170	.0168	.0111	2.511
	79*	24	LD	LD	LD	.004	.004	.006	.008	.013	.020	.028	.028	.0058	.0066	.0035	2.749

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.025				
	78	26	LD	LD	.004	.005	.006	.006	.006	.008	.009	.015	.015	.0052	.0030	.0044	1.865
MANSFIELD																	
363840008A01	77*	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.017				
	78	29	LD	LD	LD	.006	.006	.007	.011	.013	.023	.028	.028	.0069	.0066	.0046	2.608
	79	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.011				
PORTSMOUTH																	
365620002A01	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.012				
	78	27	LD	LD	LD	.003	.004	.004	.005	.005	.007	.009	.009	.0032	.0021	.0000	1.914
	79	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.014				
STEUBENVILLE																	
366420012A01	77*	21	LD	LD	LD	.010	.012	.013	.014	.016	.020	.052	.052	.0112	.0106	.0085	2.065
	78	24	LD	LD	.004	.007	.008	.011	.015	.016	.018	.025	.025	.0085	.0066	.0060	2.555
	79	28	LD	LD	LD	.004	.005	.007	.010	.016	.021	.034	.034	.0068	.0080	.0036	3.095
TOLEDO																	
366600001A01	77*	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.021				
366600006A01	78*	20	LD	LD	.005	.007	.007	.009	.012	.013	.013	.016	.016	.0074	.0046	.0055	2.431
	79	29	LD	LD	.006	.010	.011	.012	.016	.029	.069	.193	.193	.0188	.0362	.0092	3.037
YOUNGSTOWN																	
367760001A01	77	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.015				
	78	27	LD	.003	.006	.010	.012	.016	.021	.036	.206	.917	.917	.0548	.1772	.0119	4.049
	79	26	LD	LD	.004	.007	.010	.012	.023	.032	.069	.207	.207	.0218	.0417	.0087	3.700
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.014				
TULSA																	
373000110A01	77	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.013				
	78*	21	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.006				
OREGON																	
PORTLAND																	
381460001A01	77	28	LD	LD	.010	.014	.021	.027	.035	.059	.069	.401	.401	.0355	.0740	.0171	2.963
	78*	24	.007	.008	.012	.022	.024	.028	.046	.073	.090	.177	.177	.0340	.0379	.0229	2.354

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	LD	LD	LD	.010	.011	.012	.019	.026	.029	.033	.033	.0119	.0087	.0092	2.080
	78*	19	.007	.009	.011	.013	.015	.018	.024	.029	.029	.034	.034	.0172	.0083	.0154	1.599
ALTOONA																	
390140001A01	77*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.018				
BETHLEHEM																	
390780002A01	77	28	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.028				
	78*	24	LD	.005	.009	.019	.021	.023	.027	.041	.047	.068	.068	.0204	.0153	.0150	2.429
ERIE																	
393060002A01	77	28	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.140				
HARRISBURG																	
393880361A01	77	30	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.031				
	78	26	LD	.004	.007	.010	.014	.016	.017	.024	.028	.034	.034	.0120	.0087	.0099	2.277
HAZLETON																	
393960001A01	77	25	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.021				
	78	28	LD	.004	.005	.007	.007	.008	.010	.015	.018	.019	.019	.0081	.0046	.0068	1.890
JOHNSTOWN																	
394460803A01	77*	22	LD	LD	LD	LD	.010	.014	.017	.021	.021	.025	.025	.0102	.0072	.0080	2.055
LANCASTER CITY																	
394640002A01	77*	19	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.021				
PHILADELPHIA																	
397140004A01	77	28	LD	LD	.010	.018	.020	.032	.034	.038	.046	.071	.071	.0215	.0159	.0150	2.360
PITTSBURGH																	
397260001A01	77*	20	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.312				
READING																	
397620001A01	77	29	LD	LD	.010	.014	.016	.019	.026	.031	.048	.052	.052	.0172	.0133	.0127	2.209
	78	29	.009	.012	.017	.028	.030	.038	.040	.044	.053	.146	.146	.0319	.0252	.0264	1.811
SCRANTON																	
398040001A01	77	28	LD	LD	LD	LD	.010	.016	.016	.017	.019	.024	.024	.0099	.0065	.0080	1.990
WARMINSTER																	
399160002A01	77*	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.016				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	LD	LD	LD	LD	.015	.016	.023	.029	.038	.048	.048	.0136	.0119	.0094	2.421
WILKES-BARRE																	
399430001A01	77	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.013				
YORK																	
399560322A01	77	30	LD	LD	LD	.011	.018	.019	.023	.027	.031	.106	.106	.0163	.0192	.0108	2.463
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	LD	LD	.010	.013	.015	.020	.022	.035	.049	.057	.057	.0177	.0139	.0135	2.135
	78	28	.005	.006	.009	.012	.013	.015	.016	.019	.028	.037	.037	.0135	.0067	.0122	1.583
	79*	22	.008	.009	.011	.011	.015	.016	.018	.022	.024	.031	.031	.0148	.0059	.0139	1.437
GUAYNABO CO																	
401140001A01	77	28	LD	.011	.020	.022	.026	.027	.029	.032	.052	.097	.097	.0255	.0167	.0220	1.754
	78*	25	LD	.014	.019	.023	.023	.031	.032	.039	.054	.075	.075	.0257	.0145	.0215	2.041
	79*	19	.007	.011	.016	.020	.023	.031	.042	.050	.058	.080	.080	.0288	.0188	.0240	1.868
PONCE																	
401920002A01	77*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.011				
	78	27	LD	.003	.003	.005	.005	.006	.007	.008	.011	.012	.012	.0052	.0025	.0046	1.676
	79	22	.003	.003	.005	.006	.007	.007	.008	.010	.011	.011	.011	.0065	.0024	.0061	1.454
SABANA SECA																	
402065001A01	77*	26	LD	LD	LD	.010	.014	.018	.027	.030	.059	.062	.062	.0174	.0172	.0116	2.465
SAN JUAN CO																	
402160001A01	77*	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.029				
	78*	16	LD	LD	.003	.005	.005	.006	.008	.008	.008	.020	.020	.0055	.0045	.0042	2.198
402160003A01	79	26	LD	.005	.006	.008	.009	.010	.012	.017	.021	.022	.022	.0096	.0054	.0079	2.007
TOA BAJA CO																	
402320002A01	78*	18	.004	.005	.008	.010	.013	.014	.015	.017	.019	.022	.022	.0117	.0050	.0107	1.507
	79	27	LD	.005	.008	.010	.015	.017	.021	.028	.037	.038	.038	.0149	.0103	.0116	2.150
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	20	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.044				
	78*	19	LD	LD	.007	.009	.010	.012	.019	.026	.031	.032	.032	.0125	.0095	.0087	2.687

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	LD	.004	.007	.009	.012	.013	.016	.022	.024	.029	.029	.0114	.0073	.0092	2.057
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.032				
	79*	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.020				
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.009				
	78*	22	LD	LD	.004	.006	.006	.007	.008	.009	.011	.013	.013	.0057	.0033	.0046	2.107
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.020				
440380020A01	78	29	LD	LD	LD	.004	.005	.007	.009	.012	.017	.021	.021	.0057	.0052	.0038	2.610
	79	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.014				
KNOXVILLE																	
441740002A01	77*	22	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.018				
441740003A01	78	29	.004	.005	.006	.008	.008	.008	.012	.013	.014	.015	.015	.0082	.0033	.0077	1.461
MEMPHIS																	
442340001A01	77*	15	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.010				
	78*	19	LD	LD	LD	.003	.004	.004	.005	.011	.019	.029	.029	.0054	.0073	.0031	2.659
442340013A01	79*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
NASHVILLE																	
442540001A01	77*	21	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.021				
TEXAS																	
AMARILLO																	
450070002A01	77*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.029				
	78*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
AUSTIN																	
450220010A01	77*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
	78	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.004				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	25	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.010				
CORPUS CHRISTI																	
451150001A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.016				
	78	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.062				
DALLAS																	
451310002A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
EL PASO																	
451700002A01	78*	17	LD	LD	LD	.005	.005	.006	.007	.007	.008	.008	.008	.0043	.0028	.0033	2.219
FORT WORTH																	
451880001A01	77	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.021				
	78	23	LD	LD	LD	.004	.005	.005	.006	.006	.006	.007	.007	.0036	.0022	.0029	2.024
HOUSTON																	
452560001A01	77*	15	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.031				
	78	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.048				
LUBBOCK																	
453340001A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78	25	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.008				
PASADENA																	
454060002A01	77*	27	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.031				
	78*	23	LD	LD	.006	.007	.008	.009	.010	.016	.017	.018	.018	.0081	.0050	.0063	2.273
SAN ANTONIO																	
454570034A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
WICHITA FALLS																	
455560002A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.007				
UTAH																	
OGDEN																	
460680001A01	77*	22	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.012				
	78	29	LD	LD	.004	.004	.005	.005	.006	.006	.008	.010	.010	.0045	.0019	.0040	1.679

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0002	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.008				
	78*	25	LD	LD	.003	.003	.004	.005	.008	.008	.009	.017	.017	.0046	.0036	.0035	2.102
VERMONT																	
BURLINGTON																	
470140003A01	77	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.012				
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.024				
	78	27	LD	LD	LD	.005	.005	.007	.007	.009	.012	.013	.013	.0052	.0033	.0041	2.106
FAIRFAX CO																	
481060001A01	77*	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.010				
HAMPTON																	
481440001A01	77	30	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.036				
LYNCHBURG																	
481840002A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.030				
NORFOLK																	
482140001A01	77	29	LD	LD	LD	.016	.016	.021	.023	.032	.038	.045	.045	.0164	.0114	.0123	2.276
	78	29	LD	.007	.015	.019	.024	.027	.029	.032	.043	.083	.083	.0232	.0151	.0189	2.074
	79	29	.004	.006	.011	.014	.015	.020	.025	.030	.047	.060	.060	.0184	.0127	.0151	1.905
PORTSMOUTH																	
482440001A01	77	30	LD	LD	LD	.015	.021	.025	.029	.036	.040	.048	.048	.0184	.0133	.0131	2.477
	78*	25	.009	.013	.016	.020	.022	.027	.036	.045	.051	.054	.054	.0241	.0127	.0213	1.652
RICHMOND																	
482660002A01	77	30	LD	LD	LD	.022	.023	.027	.033	.040	.048	.060	.060	.0204	.0156	.0138	2.678
ROANOKE																	
482700003A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	LD	LD	LD	.011	.013	.014	.015	.024	.024	.036	.036	.0125	.0083	.0101	1.966
	78	30	LD	.003	.006	.008	.009	.014	.015	.023	.024	.031	.031	.0111	.0074	.0088	2.137
SPOKANE																	
492040001A01	77*	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.010				
	78	27	LD	LD	LD	.004	.004	.005	.006	.006	.016	.019	.019	.0047	.0045	.0034	2.216
	79*	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.013				
TACOMA																	
492140001A01	77	28	LD	LD	LD	.009	.010	.011	.012	.017	.044	.051	.051	.0109	.0113	.0080	2.090
	78	30	LD	LD	.006	.008	.012	.014	.018	.024	.031	.059	.059	.0121	.0120	.0074	3.009
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	23	LD	LD	.004	.005	.006	.008	.010	.012	.014	.029	.029	.0071	.0061	.0051	2.371
SOUTH CHARLEST																	
501760001A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.020				
	78	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.011				
	79	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.007				
KENOSHA																	
511540001A01	77*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.015				
511540003A01	78	30	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.014				
	79	27	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.006				
MADISON																	
511860001A01	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.003				
	79*	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
MILWAUKEE																	
512200099A01	77	26	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.027				
	78	25	LD	LD	LD	.005	.009	.010	.011	.013	.016	.026	.026	.0072	.0061	.0048	2.681
	79	29	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.016				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.016				
	78	29	LD	LD	LD	.004	.004	.004	.005	.005	.006	.011	.011	.0033	.0022	.0027	1.949
	79	29	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.006				
SUPERIOR																	
513480001A01	77	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.011				
	78	26	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
513480006A01	79	28	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.010				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.003				
DELAWARE																	
KENT CO																	
080060001A03	77	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.017				
	78	30	LD	.003	.006	.008	.008	.012	.013	.020	.027	.030	.030	.0099	.0073	.0078	2.108
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.003				
INDIANA																	
MONROE CO																	
152800001A03	77*	18	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.010				
	78*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	79	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.018				
PARKE CO																	
153260001A03	77*	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.020				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200810001A03	77	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.037				
	78*	23	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.008				
	79*	19	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.021				
	78*	23	LD	LD	.003	.006	.007	.007	.009	.018	.019	.025	.025	.0074	.0062	.0051	2.529
	79	25	LD	LD	LD	.003	.004	.006	.007	.011	.011	.013	.013	.0043	.0037	.0030	2.454
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.012				
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.012				
ROSEBUD CO																	
271360026A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.008				
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.012				
	78*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.013				
	78*	19	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.008				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE COOS CO 300140001A03	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
NEW YORK JEFFERSON CO 333340001A03	79*	19	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.017				
OREGON CURRY CO 380440001A03	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
PENNSYLVANIA CLARION CO 391760001A03	77*	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.011				
	78	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.006				
RHODE ISLAND WASHINGTON CO 410380002A03	77*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (9) BELOW MIN. DET. > 50%									.015				
SOUTH CAROLINA RICHLAND CO 421900002A03	77*	19	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.023				
SOUTH DAKOTA BLACK HILLS NA 430110001A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.012				
TENNESSEE CUMBERLAND CO 440680001A03	77	29	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									.012				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12136 - NICKEL
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0082	+-35.0
1978	.0027	+-41.0
1979	.0025	+-33.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.024				
TOM GREEN CO																	
455200001A03	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.026				
	79*	18	.002	.002	.002	.002	.002	.002	.002	.003	.004	.004	.004	.0027	.0005	.0027	1.182
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	18	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.020				
	79	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.004				
WYTHE CO																	
483440001A03	77	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.005				
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
	78*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.004				
510780002A03	79*	22	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.002				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM 010380003A01	77	25	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
	78*	20	.002	.002	.003	.004	.004	.005	.006	.007	.008	.011	.011	.0048	.0022	.0044	1.493
GADSDEN 011480001A01	77	25	LD	LD	LD	.004	.004	.005	.006	.007	.012	.013	.013	.0042	.0032	.0032	2.104
	78*	17	.002	.002	.003	.004	.004	.006	.007	.009	.010	.018	.018	.0055	.0040	.0045	1.811
HUNTSVILLE 011860001A01	77	26	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.014				
	78*	15	LD	LD	.002	.003	.003	.004	.004	.006	.006	.010	.010	.0032	.0026	.0020	3.211
MOBILE 012380001A01	77*	19	LD	LD	LD	.004	.004	.004	.005	.005	.009	.014	.014	.0041	.0032	.0032	1.906
MONTGOMERY 012460001A01	77*	20	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.006				
ALASKA																	
ANCHORAGE 020040003A01	77*	18	LD	LD	LD	LD	.005	.006	.007	.009	.016	.030	.030	.0057	.0072	.0035	2.641
	78*	17	.001	.001	.004	.006	.007	.009	.012	.014	.020	.021	.021	.0080	.0061	.0058	2.451
	79*	15	LD	LD	LD	.001	.001	.002	.002	.004	.004	.006	.006	.0016	.0016	.0012	2.279
FAIRBANKS 020160001A01	77*	25	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.008				
020160016A01	78*	24	LD	LD	LD	.002	.002	.004	.004	.005	.010	.011	.011	.0028	.0029	.0015	3.441
ARIZONA																	
DOUGLAS 030240004A01	77*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
	78	24	LD	LD	.002	.002	.002	.002	.003	.005	.006	.007	.007	.0024	.0017	.0018	2.362
	79	27	LD	LD	.003	.004	.004	.005	.005	.006	.008	.012	.012	.0039	.0025	.0030	2.311
PHOENIX 030600002A01	77*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
	78*	22	.002	.002	.004	.006	.006	.006	.007	.008	.009	.012	.012	.0057	.0024	.0051	1.628
	79*	20	LD	LD	.003	.004	.005	.006	.006	.007	.009	.009	.009	.0042	.0027	.0031	2.476
TUCSON 030860001A01	77	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.005				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	LD	LD	.002	.002	.003	.003	.004	.005	.005	.008	.008	.0026	.0019	.0018	2.782
	79	26	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.007				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	28	LD	LD	LD	.002	.003	.004	.005	.009	.009	.012	.012	.0034	.0033	.0019	3.478
TEXARKANA																	
042560001A01	78*	16	LD	LD	.002	.002	.003	.003	.004	.004	.005	.005	.005	.0024	.0016	.0017	2.717
WEST MEMPHIS																	
042740004A01	78*	17	LD	LD	.002	.005	.005	.006	.006	.007	.007	.011	.011	.0043	.0029	.0029	3.050
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	LD	LD	.006	.010	.011	.012	.016	.020	.023	.030	.030	.0108	.0069	.0085	2.190
	78*	24	.002	.002	.007	.010	.011	.014	.014	.015	.015	.017	.017	.0100	.0046	.0086	1.884
	79*	20	.002	.004	.008	.009	.010	.010	.011	.011	.012	.016	.016	.0089	.0029	.0063	1.520
BERKELEY																	
050740001A01	77	30	LD	LD	LD	.004	.006	.007	.008	.012	.019	.052	.052	.0068	.0096	.0042	2.536
	78*	24	LD	LD	.003	.004	.005	.007	.009	.011	.018	.021	.021	.0060	.0051	.0042	2.664
	79*	20	LD	.002	.002	.003	.003	.004	.004	.006	.007	.011	.011	.0037	.0022	.0032	1.812
BURBANK																	
050900002A01	77	30	LD	.004	.008	.011	.015	.017	.020	.021	.023	.031	.031	.0129	.0072	.0107	1.990
FRESNO																	
052800002A01	77	30	LD	LD	LD	.004	.004	.005	.006	.007	.015	.016	.016	.0043	.0036	.0033	2.091
	78*	24	.002	.003	.005	.008	.010	.013	.016	.019	.022	.043	.043	.0113	.0087	.0090	1.966
	79*	20	.003	.003	.004	.004	.006	.007	.007	.007	.007	.008	.008	.0050	.0017	.0047	1.438
LONG BEACH																	
054100001A01	77	27	.003	.007	.010	.018	.019	.023	.029	.033	.057	.070	.070	.0208	.0152	.0167	1.976
LOS ANGELES																	
054180001A01	77	30	LD	.003	.008	.010	.013	.014	.017	.020	.023	.024	.024	.0120	.0063	.0100	1.970
	78*	20	.002	.004	.007	.010	.011	.011	.014	.016	.017	.027	.027	.0104	.0058	.0089	1.827
	79*	19	.003	.004	.005	.007	.008	.009	.010	.011	.011	.013	.013	.0076	.0030	.0070	1.511

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	LD	LD	.003	.005	.007	.008	.009	.014	.019	.041	.041	.0075	.0080	.0051	2.433
ONTARIO																	
055380001A01	77	30	LD	.004	.008	.011	.014	.014	.015	.017	.019	.022	.022	.0114	.0052	.0098	1.938
	78*	24	LD	.002	.008	.011	.012	.014	.017	.019	.021	.028	.028	.0114	.0067	.0087	2.557
	79*	21	LD	.002	.008	.010	.011	.012	.016	.017	.017	.020	.020	.0103	.0054	.0081	2.380
PASADENA																	
055760002A01	77	29	LD	.003	.007	.009	.010	.012	.016	.018	.020	.022	.022	.0102	.0055	.0086	1.886
SACRAMENTO																	
056580001A01	77	30	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.007				
	78*	24	LD	LD	.002	.004	.004	.006	.006	.007	.029	.042	.042	.0062	.0096	.0028	3.992
	79*	21	LD	LD	LD	.003	.004	.004	.007	.007	.008	.010	.010	.0034	.0030	.0021	2.978
SAN BERNARDINO																	
056600001A01	77	29	LD	LD	.004	.009	.010	.011	.012	.015	.016	.018	.018	.0083	.0050	.0064	2.268
	78*	24	LD	LD	.003	.007	.009	.010	.013	.015	.016	.020	.020	.0078	.0056	.0053	2.967
	79*	20	LD	.002	.005	.008	.008	.009	.012	.013	.013	.016	.016	.0079	.0040	.0064	2.217
SAN DIEGO																	
056800004A01	77	30	LD	LD	.003	.006	.007	.008	.011	.014	.015	.020	.020	.0071	.0049	.0054	2.178
	78*	24	LD	.002	.006	.009	.009	.011	.015	.025	.027	.079	.079	.0127	.0155	.0083	2.717
	79*	20	.002	.002	.004	.006	.006	.007	.008	.010	.015	.016	.016	.0066	.0038	.0057	1.714
SAN FRANCISCO																	
056860001A01	77	30	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.032				
SAN JOSE																	
056980004A01	77	30	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.011				
	78*	24	.001	.002	.003	.005	.005	.006	.007	.011	.015	.017	.017	.0058	.0039	.0047	1.949
	79*	20	LD	LD	.001	.002	.003	.004	.004	.007	.009	.010	.010	.0033	.0028	.0023	2.528
SANTA ANA																	
057180001A01	77	29	LD	LD	.006	.008	.010	.013	.014	.019	.022	.025	.025	.0101	.0064	.0079	2.188
	78*	20	LD	LD	.007	.010	.011	.012	.013	.014	.018	.019	.019	.0093	.0054	.0064	3.229
	79*	20	LD	.003	.006	.007	.008	.009	.011	.013	.015	.016	.016	.0084	.0039	.0071	2.074
TORRANCE																	
058260001A01	77	29	LD	.003	.007	.011	.013	.016	.021	.026	.028	.033	.033	.0134	.0088	.0102	2.285

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
040580001A01	77*	18	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.014				
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	.010	.010	.015	.028	.030	.032	.039	.057	.059	.109	.109	.0307	.0209	.0256	1.842
	79	27	LD	.006	.017	.025	.030	.035	.042	.047	.078	.080	.080	.0295	.0209	.0198	3.329
HARTFORD																	
070420002A01	77*	16	.007	.012	.019	.035	.059	.059	.061	.066	.086	.104	.104	.0439	.0291	.0339	2.227
	78*	21	.012	.013	.020	.031	.040	.052	.067	.084	.089	.104	.104	.0413	.0275	.0334	1.957
NEW HAVEN																	
070700001A01	77*	15	.013	.020	.033	.035	.044	.049	.081	.117	.117	.283	.283	.0621	.0670	.0452	2.118
070700123A01	79	27	.005	.010	.023	.034	.036	.043	.047	.058	.094	.098	.098	.0367	.0227	.0297	2.074
WATERBURY																	
071240123A01	77*	26	.005	.011	.018	.023	.030	.033	.038	.046	.077	.079	.079	.0293	.0185	.0247	1.878
	78	31	.003	.010	.016	.023	.026	.030	.035	.044	.066	.104	.104	.0279	.0206	.0225	1.969
	79	27	.004	.005	.011	.016	.017	.019	.033	.035	.041	.056	.056	.0193	.0126	.0159	1.938
DELAWARE																	
NEWARK																	
080140001A01	77	29	LD	.004	.011	.018	.021	.029	.038	.047	.054	.057	.057	.0230	.0166	.0167	2.464
WILMINGTON																	
080260002A01	77	27	.023	.032	.047	.051	.061	.066	.076	.087	.113	.117	.117	.0682	.0245	.0557	1.491
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	LD	.004	.009	.010	.016	.022	.025	.048	.052	.052	.0134	.0138	.0072	3.658
JACKSONVILLE																	
101960002A01	77	28	.004	.005	.012	.028	.044	.057	.062	.087	.134	.154	.154	.0431	.0401	.0265	2.969
101960049A01	78*	23	.001	.003	.015	.035	.038	.041	.044	.070	.073	.104	.104	.0338	.0259	.0231	2.853
	79	26	.002	.002	.008	.015	.023	.033	.043	.054	.091	.121	.121	.0271	.0288	.0156	3.130
MIAMI																	
102700002A01	77*	20	LD	LD	.003	.005	.007	.009	.010	.018	.022	.027	.027	.0079	.0072	.0053	2.567

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	.005	.006	.013	.024	.027	.029	.032	.035	.079	.102	.102	.0264	.0215	.0203	2.130
	78*	23	.005	.006	.012	.016	.018	.022	.024	.037	.044	.053	.053	.0195	.0121	.0163	1.865
	79*	22	.002	.004	.008	.010	.014	.017	.026	.027	.032	.041	.041	.0149	.0109	.0110	2.345
GEORGIA																	
ATLANTA																	
110200001A01	77	27	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.099				
	78*	24	.002	.002	.004	.005	.005	.007	.010	.015	.019	.022	.022	.0074	.0056	.0059	1.998
COLUMBUS																	
111280001A01	77	28	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.037				
SAVANNAH																	
114500001A01	77*	18	LD	LD	.016	.023	.026	.032	.055	.088	.177	.188	.188	.0444	.0550	.0230	3.669
HAWAII																	
HONOLULU																	
120120001A01	77	30	.005	.006	.015	.020	.024	.026	.030	.034	.045	.046	.046	.0214	.0113	.0180	1.917
	79	29	.012	.013	.016	.021	.021	.023	.025	.027	.034	.037	.037	.0207	.0064	.0198	1.345
IDAHO																	
BOISE CITY																	
130220001A01	77	28	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
	78	26	LD	LD	.001	.002	.002	.002	.003	.003	.006	.007	.007	.0021	.0017	.0015	2.512
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.048				
CHICAGO																	
141220001A01	77*	18	LD	LD	LD	.006	.010	.017	.025	.028	.047	.065	.065	.0147	.0177	.0072	3.600
MOLINE																	
145120001A01	77*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
NORTH CHICAGO																	
145620002A01	77*	23	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.007				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.008				
ROCK ISLAND																	
146700001A01	77*	21	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.009				
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	LD	LD	.005	.007	.008	.015	.016	.029	.033	.077	.077	.0133	.0159	.0083	2.664
	78*	18	.005	.006	.009	.011	.011	.018	.023	.036	.049	.102	.102	.0201	.0234	.0141	2.167
EVANSVILLE																	
151300001A01	77*	18	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.005				
151300006A01	78*	23	LD	.001	.002	.003	.003	.003	.003	.007	.008	.009	.009	.0031	.0022	.0025	1.949
	79*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.004				
FORT WAYNE																	
151380003A01	77*	23	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.007				
	78	25	LD	.002	.003	.004	.005	.005	.006	.010	.013	.019	.019	.0055	.0040	.0044	2.128
GARY																	
151520001A01	77*	26	LD	LD	.003	.004	.005	.006	.007	.013	.016	.018	.018	.0060	.0046	.0046	2.087
	78*	25	.003	.003	.005	.008	.009	.011	.014	.024	.025	.062	.062	.0117	.0124	.0086	2.103
	79*	21	.001	.002	.003	.004	.005	.006	.007	.009	.013	.019	.019	.0056	.0042	.0045	1.877
HAMMOND																	
151780001A01	78*	24	.002	.004	.006	.008	.009	.011	.015	.025	.059	.074	.074	.0144	.0171	.0098	2.246
	79*	23	LD	LD	.003	.004	.004	.005	.010	.019	.024	.054	.054	.0079	.0117	.0041	3.199
151780002A01	77*	20	LD	LD	.003	.005	.005	.007	.008	.012	.015	.024	.024	.0065	.0055	.0048	2.296
INDIANAPOLIS																	
152040002A01	77	27	LD	LD	LD	.004	.004	.005	.006	.007	.008	.022	.022	.0045	.0040	.0035	2.021
	78*	19	.001	.001	.002	.003	.003	.004	.005	.005	.006	.009	.009	.0037	.0020	.0033	1.680
	79*	19	LD	LD	.002	.002	.003	.003	.004	.009	.011	.014	.014	.0039	.0040	.0025	2.766
NEW ALBANY																	
152980002A01	77*	24	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.007				
	78*	22	LD	LD	.003	.004	.004	.006	.006	.006	.009	.011	.011	.0041	.0028	.0028	2.974
SOUTH BEND																	
153880002A01	77*	27	LD	LD	.004	.006	.008	.012	.014	.016	.034	.044	.044	.0101	.0103	.0066	2.639
	78*	23	LD	.002	.005	.007	.008	.009	.009	.013	.015	.017	.017	.0074	.0040	.0060	2.234

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153880002A01	79*	21	LD	LD	.002	.005	.006	.006	.008	.010	.010	.041	.041	.0067	.0083	.0043	2.618
TERRE HAUTE																	
154080001A01	77*	26	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.007				
	78	24	LD	.001	.003	.003	.004	.006	.007	.007	.008	.008	.008	.0043	.0024	.0036	2.066
	79*	20	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.003				
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.009				
DAVENPORT																	
161060001A01	77*	26	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.006				
	78	28	LD	LD	.002	.003	.003	.004	.004	.005	.007	.009	.009	.0032	.0021	.0024	2.456
	79*	22	LD	LD	LD	.001	.002	.002	.003	.003	.005	.007	.007	.0019	.0017	.0013	2.403
DES MOINES																	
161180001A01	78*	23	LD	LD	.002	.003	.003	.003	.004	.005	.008	.012	.012	.0035	.0024	.0028	2.194
	79*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.008				
DUBUQUE																	
161260002A01	77*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
161260008A01	77*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
	78*	22	LD	LD	LD	.001	.002	.002	.004	.004	.004	.005	.005	.0018	.0015	.0011	2.874
WATERLOO																	
163760004A01	77	26	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.006				
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	.003	.004	.005	.007	.008	.015	.034	.054	.078	.173	.173	.0231	.0366	.0111	3.058
171800012A01	77	27	LD	LD	LD	.004	.005	.007	.010	.014	.059	.066	.066	.0096	.0161	.0045	3.081
171800015A01	77	30	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.069				
	78	28	.001	.002	.004	.006	.007	.007	.011	.024	.025	.026	.026	.0088	.0076	.0065	2.181
TOPEKA																	
173560001A01	77*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.005				
	78	26	LD	LD	.002	.003	.003	.003	.005	.006	.011	.022	.022	.0042	.0045	.0028	2.646

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

YEAR	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.006				
	78*	25	LD	LD	.002	.002	.003	.004	.005	.008	.010	.016	.016	.0035	.0035	.0022	3.002
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.015				
	78*	19	.002	.003	.004	.006	.006	.007	.010	.019	.028	.034	.034	.0093	.0087	.0069	2.120
BOWLING GREEN																	
180320001A01	77	25	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
COVINGTON																	
180800001A01	77	28	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.006				
	78*	18	LD	LD	.002	.003	.004	.004	.004	.005	.009	.009	.009	.0037	.0024	.0028	2.432
	79	30	LD	LD	LD	.002	.003	.003	.005	.005	.008	.011	.011	.0027	.0026	.0017	2.802
LEXINGTON																	
182300001A01	77*	23	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.015				
182300003A01	79	29	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.007				
LOUISVILLE																	
182380002A01	77	26	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.010				
182380035A01	79*	16	LD	NO. OF SAMPLES (10) BELOW MIN. DET. > 50%									.005				
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.021				
	78*	24	LD	LD	.003	.004	.004	.035	.005	.006	.008	.009	.009	.0039	.0022	.0030	2.522
IBERVILLE PAR																	
191280002A01	77	24	LD	LD	LD	.004	.005	.006	.007	.009	.011	.012	.012	.0048	.0034	.0037	2.171
	78	28	LD	LD	.002	.004	.005	.006	.006	.007	.008	.012	.012	.0044	.0027	.0033	2.543
NEW ORLEANS																	
192020002A01	77	26	LD	.003	.005	.007	.010	.012	.014	.021	.024	.031	.031	.0104	.0075	.0080	2.158
	78*	24	.001	.002	.004	.011	.012	.012	.013	.018	.022	.023	.023	.0098	.0062	.0075	2.318
SHREVEPORT																	
192[illegible]40001A01	78*	24	LD	LD	.002	.003	.004	.004	.004	.006	.006	.010	.010	.0034	.0024	.0023	2.922

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	.013	.020	.045	.061	.074	.082	.113	.134	.198	.241	.241	.0783	.0549	.0619	2.071
	78	27	.013	.017	.043	.057	.059	.071	.076	.129	.147	.280	.280	.0704	.0553	.0559	1.998
	79	23	.006	.007	.017	.028	.035	.079	.083	.110	.129	.171	.171	.0514	.0463	.0343	2.577
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	.003	.008	.020	.032	.041	.047	.066	.086	.110	.111	.111	.0419	.0300	.0312	2.353
	79	26	.005	.009	.019	.038	.047	.051	.068	.117	.144	.148	.148	.0493	.0423	.0337	2.565
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	.014	.025	.042	.060	.073	.097	.118	.130	.149	.265	.265	.0794	.0542	.0647	1.945
	79*	20	.006	.008	.017	.030	.050	.061	.062	.091	.139	.161	.161	.0476	.0428	.0323	2.578
CAMBRIDGE																	
220360001A01	78	28	.016	.018	.026	.038	.040	.044	.077	.087	.118	.122	.122	.0480	.0312	.0398	1.844
	79*	21	.007	.007	.015	.021	.039	.048	.065	.080	.119	.137	.137	.0400	.0370	.0274	2.446
FALL RIVER																	
220580001A01	78	29	.009	.011	.036	.061	.064	.118	.134	.165	.229	.303	.303	.0839	.0716	.0571	2.608
	79*	15	.011	.033	.040	.048	.080	.112	.115	.191	.191	.253	.253	.0838	.0668	.0628	2.250
NEW BEDFORD																	
221500002A01	78	26	.005	.009	.023	.034	.045	.052	.058	.071	.105	.419	.419	.0535	.0788	.0330	2.588
	79	27	.006	.009	.019	.031	.038	.076	.089	.175	.327	.358	.358	.0701	.0917	.0371	3.105
SPRINGFIELD																	
222160002A01	78	29	.008	.017	.030	.037	.045	.054	.081	.101	.123	.175	.175	.0532	.0391	.0417	2.073
	79*	23	.004	.007	.014	.023	.025	.062	.066	.148	.211	.226	.226	.0541	.0645	.0292	3.099
WORCHESTER																	
222640004A01	77	23	.009	.012	.015	.031	.034	.048	.052	.063	.079	.102	.102	.0347	.0249	.0272	2.047
	78	29	.012	.017	.025	.036	.046	.049	.070	.078	.150	.180	.180	.0500	.0397	.0395	1.971
	79	27	.002	.005	.015	.025	.033	.047	.075	.109	.120	.123	.123	.0421	.0393	.0255	3.060
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	LD	LD	LD	.005	.005	.006	.015	.016	.017	.019	.019	.0068	.0060	.0045	2.599

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN FLINT 231500008A01	77*	16	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.005				
	78*	22	LD	LD	.002	.003	.003	.004	.007	.007	.007	.007	.007	.0035	.0022	.0028	2.304
GRAND RAPIDS 231820001A01	77*	22	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
LANSING 232840001A01	77*	22	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.006				
	78*	23	LD	LD	.002	.003	.003	.004	.004	.006	.007	.008	.008	.0031	.0021	.0024	2.411
SAGINAW 234760001A01	77	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.006				
	78*	22	LD	LD	.002	.002	.002	.003	.005	.006	.006	.008	.008	.0026	.0021	.0017	2.946
TRENTON 235120004A01	77*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.013				
MINNESOTA DULUTH 241040001A01	77*	25	LD	LD	LD	.004	.005	.005	.007	.009	.011	.016	.016	.0046	.0036	.0035	2.150
241040017A01	78*	24	LD	LD	LD	.002	.003	.004	.007	.010	.011	.014	.014	.0037	.0040	.0019	3.809
	79*	21	LD	LD	.001	.002	.003	.004	.005	.011	.014	.015	.015	.0040	.0043	.0024	2.913
MINNEAPOLIS 242260027A01	77	24	LD	LD	LD	.003	.005	.006	.007	.021	.021	.036	.036	.0072	.0090	.0039	2.926
	78	28	.001	.002	.002	.004	.006	.009	.011	.018	.025	.041	.041	.0083	.0092	.0052	2.603
ST PAUL 243300031A01	77*	24	LD	LD	LD	.003	.005	.007	.018	.032	.039	.055	.055	.0109	.0148	.0047	3.627
	78*	17	LD	LD	.002	.006	.007	.014	.015	.027	.029	.060	.060	.0115	.0155	.0044	5.040
MISSISSIPPI JACKSON 251260002A01	77	26	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
	78	31	LD	.002	.003	.003	.005	.005	.006	.009	.011	.017	.017	.0046	.0036	.0035	2.292

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	.002	.002	.004	.005	.005	.006	.008	.021	.023	.053	.053	.0086	.0104	.0058	2.223
ST LOUIS																	
264280001A01	77	27	LD	LD	LD	.003	.005	.006	.007	.008	.014	.016	.016	.0045	.0039	.0033	2.230
MONTANA																	
HELENA																	
270720001A01	77*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.005				
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.004				
	78	25	LD	LD	.001	.002	.002	.003	.003	.005	.006	.008	.008	.0024	.0019	.0016	2.651
OMAHA																	
281880034A01	77*	17	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.010				
	78*	15	LD	.002	.002	.004	.004	.006	.006	.009	.009	.017	.017	.0048	.0042	.0034	2.491
	79	29	LD	LD	.002	.002	.003	.003	.004	.005	.008	.009	.009	.0027	.0021	.0020	2.338
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.005				
	78*	21	LD	LD	.001	.001	.001	.001	.001	.002	.002	.003	.003	.0011	.0006	.0009	1.857
	79*	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.006				
RENO																	
290480001A01	77*	23	LD	LD	LD	.003	.004	.005	.010	.016	.018	.019	.019	.0059	.0060	.0037	2.615
	78	26	.003	.004	.006	.007	.008	.008	.010	.012	.018	.019	.019	.0080	.0042	.0071	1.622
	79	30	LD	LD	.003	.004	.005	.007	.007	.010	.012	.020	.020	.0051	.0041	.0035	2.669
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	.024	.024	.033	.049	.057	.065	.073	.110	.129	.170	.170	.0629	.0408	.0530	1.800
	79*	15	LD	.008	.016	.026	.031	.063	.076	.109	.109	.223	.223	.0511	.0590	.0259	4.207

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	.010	.017	.027	.036	.037	.041	.048	.057	.071	.161	.161	.0403	.0273	.0348	1.707
	78	23	.009	.011	.026	.043	.045	.049	.052	.087	.095	.107	.107	.0437	.0260	.0361	1.955
CAMDEN																	
310720001A01	77*	21	.008	.011	.022	.028	.031	.038	.049	.067	.068	.102	.102	.0351	.0227	.0292	1.877
	78	28	.007	.015	.030	.037	.041	.045	.053	.088	.101	.175	.175	.0459	.0343	.0367	2.025
CAMDEN CO																	
310740003A01	77*	24	LD	.004	.012	.017	.019	.026	.031	.042	.054	.088	.088	.0226	.0189	.0163	2.442
	78*	23	.003	.005	.012	.019	.024	.030	.032	.055	.073	.102	.102	.0259	.0234	.0185	2.356
ELIZABETH																	
311300002A01	78	29	.005	.009	.025	.033	.034	.037	.048	.073	.088	.092	.092	.0372	.0236	.0298	2.086
	79*	22	.014	.017	.025	.035	.038	.043	.076	.088	.092	.168	.168	.0471	.0358	.0381	1.902
GLASSBORO																	
311700001A01	77*	21	.004	.004	.010	.018	.019	.021	.027	.044	.048	.057	.057	.0211	.0148	.0168	2.051
	78	27	.003	.008	.013	.019	.022	.024	.031	.037	.046	.082	.082	.0229	.0158	.0188	1.950
	79*	22	.007	.007	.012	.018	.019	.022	.034	.038	.057	.085	.085	.0231	.0188	.0182	1.976
JERSEY CITY																	
312320001A01	77*	23	.011	.013	.024	.037	.040	.045	.047	.070	.089	.213	.213	.0448	.0415	.0349	1.965
	78*	23	.010	.014	.034	.044	.045	.051	.064	.096	.102	.115	.115	.0491	.0270	.0420	1.819
	79*	17	.011	.011	.017	.031	.032	.033	.060	.067	.073	.084	.084	.0348	.0229	.0285	1.929
NEWARK																	
313480001A01	77*	21	.010	.011	.017	.027	.029	.030	.035	.043	.050	.059	.059	.0272	.0128	.0245	1.617
	78	26	.009	.014	.025	.030	.037	.049	.059	.064	.093	.103	.103	.0398	.0243	.0332	1.879
	79	26	.003	.008	.016	.022	.033	.044	.074	.085	.182	.192	.192	.0455	.0493	.0286	2.678
PATERSON																	
314140001A01	77*	16	.011	.012	.019	.026	.031	.034	.049	.051	.061	.132	.132	.0363	.0295	.0292	1.908
314140005A01	78*	17	.006	.007	.010	.023	.029	.037	.046	.056	.068	.082	.082	.0304	.0226	.0227	2.303
	79*	19	.002	.003	.018	.028	.029	.033	.048	.071	.074	.150	.150	.0362	.0342	.0240	2.779
PERTH AMBOY																	
314220001A01	77	27	.004	.008	.010	.017	.020	.023	.030	.031	.042	.119	.119	.0219	.0218	.0168	2.006
	78	28	.005	.008	.015	.025	.033	.035	.041	.063	.081	.140	.140	.0345	.0293	.0255	2.231
TRENTON																	
315400001A01	77*	19	.009	.010	.013	.024	.026	.030	.033	.044	.046	.099	.099	.0271	.0212	.0217	1.933
	78	31	.005	.006	.012	.018	.024	.027	.033	.036	.046	.139	.139	.0242	.0248	.0177	2.178

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY 95% CONF.

DISCR. LIMIT (UG/M3)		PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
TRENTON																	
315400001A01	79*	19	.004	.004	.013	.026	.029	.035	.038	.049	.051	.053	.053	.0267	.0163	.0207	2.276
NEW MEXICO																	
ALBUQUERQUE																	
320040001A01	77	25	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.008				
	78*	22	LD	LD	.002	.003	.003	.003	.004	.004	.006	.013	.013	.0032	.0026	.0024	2.237
NEW YORK																	
ALBANY																	
330040001A01	79*	16	.032	.060	.105	.118	.158	.175	.225	.236	.288	.337	.337	.1546	.0832	.1332	1.814
BUFFALO																	
330660001A01	79*	19	LD	.004	.011	.015	.016	.018	.022	.039	.064	.075	.075	.0203	.0195	.0134	2.908
NIAGARA FALLS																	
334740001A01	79	30	LD	.002	.004	.005	.007	.009	.015	.037	.044	.050	.050	.0114	.0137	.0063	3.087
ROCHESTER																	
335760001A01	79*	19	.004	.005	.010	.015	.017	.027	.032	.046	.088	.127	.127	.0273	.0313	.0173	2.589
SYRACUSE																	
336620001A01	79*	27	.002	.004	.009	.013	.016	.019	.021	.026	.051	.094	.094	.0181	.0186	.0130	2.242
UTICA																	
336880001A01	79	28	.006	.018	.026	.034	.041	.047	.055	.082	.114	.210	.210	.0470	.0408	.0360	2.092
YONKERS																	
337620001A01	79*	21	.018	.019	.033	.045	.047	.060	.094	.127	.129	.149	.149	.0592	.0385	.0493	1.851
NORTH CAROLINA																	
CHARLOTTE																	
340700001A01	77	27	.008	.010	.017	.035	.037	.039	.048	.067	.087	.106	.106	.0359	.0245	.0285	2.046
	78	30	.003	.006	.018	.025	.029	.034	.040	.049	.053	.090	.090	.0289	.0180	.0231	2.138
	79	29	LD	.002	.005	.010	.012	.014	.022	.033	.052	.082	.082	.0155	.0183	.0083	3.444
DURHAM																	
341160001A01	78*	23	.006	.006	.015	.019	.030	.032	.038	.060	.067	.072	.072	.0277	.0191	.0221	2.019
	79	28	LD	.002	.008	.014	.015	.020	.024	.063	.112	.141	.141	.0272	.0362	.0130	3.850
341160006A01	77	27	.005	.012	.019	.038	.051	.055	.100	.120	.223	.315	.315	.0619	.0710	.0378	2.730

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	.004	.007	.015	.020	.022	.027	.035	.041	.042	.076	.076	.0242	.0163	.0195	2.027
	78*	25	.004	.009	.011	.017	.017	.024	.034	.046	.048	.058	.058	.0213	.0141	.0174	1.917
MOREHEAD CITY																	
342720002A01	78	28	LD	.003	.004	.008	.014	.019	.022	.029	.031	.037	.037	.0132	.0104	.0087	2.885
	79*	26	LD	.001	.003	.005	.007	.007	.012	.012	.015	.021	.021	.0067	.0052	.0047	2.580
WINSTON-SALEM																	
344460002A01	77	29	LD	.018	.025	.035	.040	.047	.060	.065	.068	.094	.094	.0392	.0204	.0326	2.123
	78	29	.005	.010	.017	.022	.025	.029	.033	.049	.052	.099	.099	.0267	.0186	.0221	1.879
	79	23	LD	.003	.005	.007	.010	.019	.020	.042	.060	.132	.132	.0182	.0277	.0091	3.253
OHIO																	
AKRON																	
360060014A01	77	26	LD	LD	LD	.003	.005	.005	.006	.007	.009	.010	.010	.0039	.0026	.0031	2.004
	78	26	LD	.002	.003	.004	.005	.006	.006	.010	.012	.028	.028	.0058	.0053	.0044	2.241
	79	25	LD	LD	.003	.004	.004	.006	.008	.010	.010	.017	.017	.0052	.0039	.0038	2.516
CANTON																	
361000001A01	77*	27	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.015				
	78*	25	LD	.002	.003	.004	.004	.005	.006	.009	.009	.010	.010	.0044	.0026	.0034	2.332
	79	27	LD	LD	.002	.003	.003	.004	.005	.008	.011	.013	.013	.0038	.0034	.0025	2.802
CINCINNATI																	
361220001A01	77	29	LD	LD	LD	.003	.004	.004	.004	.005	.006	.007	.007	.0030	.0017	.0000	1.749
	78	30	LD	.001	.002	.003	.004	.004	.005	.006	.007	.014	.014	.0037	.0026	.0029	2.190
	79	28	LD	.002	.002	.003	.004	.005	.005	.007	.011	.019	.019	.0044	.0036	.0035	1.982
361220019A01	78*	18	LD	LD	.002	.002	.003	.004	.004	.005	.005	.006	.006	.0028	.0017	.0022	2.248
	79*	17	LD	.001	.002	.002	.003	.003	.003	.005	.006	.009	.009	.0030	.0020	.0025	1.844
CLEVELAND																	
361300001A01	77*	19	LD	LD	.003	.005	.005	.006	.006	.008	.009	.011	.011	.0051	.0026	.0044	1.814
	78	26	LD	.002	.004	.005	.006	.007	.010	.012	.021	.027	.027	.0073	.0063	.0053	2.459
	79*	25	LD	LD	.002	.003	.003	.004	.005	.005	.006	.009	.009	.0031	.0021	.0023	2.332
COLUMBUS																	
361460001A01	77	25	LD	LD	LD	.003	.004	.004	.005	.005	.007	.008	.008	.0032	.0020	.0000	1.835
	78*	26	LD	LD	.003	.003	.004	.004	.005	.006	.006	.009	.009	.0035	.0021	.0026	2.597
	79*	24	LD	LD	LD	.001	.002	.002	.003	.004	.005	.006	.006	.0018	.0015	.0013	2.273

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
OHIO																	
DAYTON																	
361660001A01	77	26	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.013				
	78	26	LD	LD	.002	.003	.003	.005	.006	.007	.007	.008	.008	.0036	.0024	.0027	2.520
MANSFIELD																	
363040008A01	77*	25	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.007				
	78	29	LD	LD	.003	.004	.004	.005	.006	.007	.009	.011	.011	.0040	.0028	.0026	3.078
	79	29	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.012				
PORTSMOUTH																	
365620002A01	77	27	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.005				
	78	27	LD	LD	.001	.002	.003	.003	.004	.005	.006	.006	.006	.0027	.0019	.0018	2.881
	79	28	LD	LD	LD	.002	.002	.003	.003	.004	.010	.015	.015	.0026	.0032	.0017	2.625
STEUBENVILLE																	
366420012A01	77*	21	LD	LD	.004	.006	.008	.009	.014	.021	.021	.023	.023	.0088	.0067	.0063	2.415
	78	24	LD	LD	.004	.007	.012	.014	.016	.023	.033	.034	.034	.0109	.0094	.0062	3.788
	79	28	LD	LD	.002	.005	.007	.022	.028	.055	.075	.079	.079	.0172	.0233	.0055	5.552
TOLEDO																	
366600001A01	77*	24	LD	LD	LD	.006	.006	.007	.007	.009	.010	.012	.012	.0052	.0032	.0041	2.156
366600006A01	78*	20	.003	.003	.005	.007	.008	.008	.010	.011	.014	.015	.015	.0073	.0035	.0065	1.647
	79	29	LD	.001	.004	.006	.008	.009	.016	.045	.075	.216	.216	.0196	.0416	.0075	3.527
YOUNGSTOWN																	
367760001A01	77	26	LD	LD	LD	.004	.005	.005	.006	.007	.011	.014	.014	.0044	.0031	.0035	2.023
	78	27	.002	.002	.004	.006	.007	.008	.009	.013	.014	.020	.020	.0069	.0044	.0057	1.924
	79	26	LD	.001	.003	.004	.005	.005	.008	.010	.012	.022	.022	.0055	.0046	.0039	2.400
OKLAHOMA																	
TAHLEQUAH																	
372880480A01	77*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.003				
TULSA																	
373000110A01	77	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	21	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.005				
OREGON																	
PORTLAND																	
381460001A01	77	28	LD	.004	.006	.011	.014	.016	.023	.033	.045	.285	.285	.0242	.0523	.0123	2.699
	78*	24	.005	.006	.011	.013	.020	.022	.028	.056	.069	.118	.118	.0253	.0259	.0179	2.217

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3): 1977 .0030; 1978 .0007; 1979 .0011
95% CONF. PRECISION (%): +-16.0; +-16.0; +-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	.013	.015	.029	.039	.039	.043	.055	.077	.097	.119	.119	.0429	.0259	.0367	1.757
	78*	19	.023	.033	.041	.059	.063	.073	.092	.093	.135	.156	.156	.0686	.0348	.0611	1.640
ALTOONA																	
390140001A01	77*	22	LD	LD	LD	.003	.004	.004	.007	.011	.013	.018	.018	.0045	.0044	.0032	2.259
BETHLEHEM																	
390780002A01	77	25	.011	.016	.021	.027	.029	.039	.047	.053	.063	.063	.063	.0318	.0152	.0285	1.615
	78*	24	.011	.012	.023	.051	.067	.076	.081	.128	.151	.207	.207	.0619	.0477	.0466	2.221
ERIE																	
393060002A01	77	25	LD	LD	LD	.003	.004	.004	.005	.006	.009	.010	.010	.0035	.0024	.0000	1.903
HARRISBURG																	
393880361A01	77	30	.007	.011	.015	.022	.028	.038	.042	.074	.082	.101	.101	.0323	.0247	.0251	2.036
	78	26	.006	.011	.018	.024	.027	.030	.045	.069	.099	.114	.114	.0339	.0283	.0258	2.063
HAZLETON																	
393960001A01	77	25	LD	LD	LD	.003	.006	.011	.014	.019	.024	.031	.031	.0077	.0083	.0043	3.080
	78	28	LD	.002	.005	.008	.010	.014	.015	.017	.032	.039	.039	.0111	.0089	.0088	2.543
JOHNSTOWN																	
394460803A01	77*	22	LD	LD	.004	.004	.004	.005	.006	.008	.011	.015	.015	.0049	.0033	.0040	1.920
LANCASTER CITY																	
394660002A01	77*	19	.005	.008	.015	.018	.018	.021	.025	.039	.046	.060	.060	.0218	.0140	.0182	1.853
PHILADELPHIA																	
397140004A01	77	28	.006	.018	.023	.035	.044	.049	.052	.093	.118	.126	.126	.0439	.0304	.0354	1.973
PITTSBURGH																	
397260001A01	77*	20	LD	.004	.004	.006	.008	.010	.010	.014	.020	.022	.022	.0081	.0056	.0066	1.953
READING																	
397620001A01	77	29	.009	.018	.036	.047	.050	.056	.069	.114	.123	.130	.130	.0547	.0324	.0461	1.864
	78	29	.015	.023	.051	.079	.089	.107	.115	.153	.263	.298	.298	.0945	.0703	.0739	2.075
SCRANTON																	
398040001A01	77	28	.003	.005	.007	.011	.014	.018	.024	.027	.036	.037	.037	.0149	.0097	.0121	1.950
WARMINSTER																	
399160002A01	77*	23	LD	.005	.010	.014	.019	.019	.021	.029	.030	.038	.038	.0164	.0091	.0136	2.025

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	.003	.007	.015	.020	.028	.041	.047	.065	.087	.094	.094	.0312	.0247	.0226	2.373
WILKES-BARRE																	
399430001A01	77	30	LD	LD	LD	.007	.009	.011	.011	.015	.032	.036	.036	.0087	.0088	.0055	2.768
YORK																	
399560322A01	77	30	.005	.015	.025	.041	.048	.055	.073	.090	.100	.339	.339	.0547	.0598	.0395	2.218
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	.009	.012	.027	.029	.031	.032	.037	.050	.060	.065	.065	.0315	.0134	.0287	1.572
	78	28	.019	.020	.025	.036	.040	.045	.048	.056	.058	.094	.094	.0381	.0168	.0350	1.515
	79*	22	.032	.033	.039	.043	.048	.051	.055	.065	.070	.072	.072	.0471	.0121	.0457	1.283
GUAYNABO CO																	
401140001A01	77	28	.021	.036	.058	.068	.077	.087	.098	.142	.159	.205	.205	.0807	.0417	.0714	1.675
	78*	25	.010	.030	.054	.068	.076	.089	.174	.197	.210	.227	.227	.0912	.0640	.0710	2.136
	79*	19	.027	.030	.056	.074	.076	.081	.095	.106	.151	.186	.186	.0770	.0399	.0684	1.654
PONCE																	
401920002A01	77*	24	.004	.006	.011	.013	.015	.016	.018	.028	.044	.048	.048	.0163	.0107	.0139	1.767
	78	27	.005	.006	.010	.013	.014	.019	.023	.029	.031	.038	.038	.0162	.0090	.0140	1.750
	79	22	.013	.013	.014	.016	.021	.022	.028	.032	.032	.034	.034	.0203	.0073	.0192	1.407
SABANA SECA																	
402065001A01	77*	26	.005	.015	.021	.032	.033	.036	.045	.049	.061	.064	.064	.0312	.0153	.0272	1.765
SAN JUAN CO																	
402160001A01	77*	24	LD	LD	.004	.006	.007	.008	.009	.018	.027	.090	.090	.0108	.0178	.0065	2.475
	78*	16	.002	.004	.005	.007	.009	.009	.011	.011	.015	.018	.018	.0083	.0041	.0074	1.668
402160003A01	79	26	.006	.007	.011	.020	.028	.036	.048	.071	.096	.098	.098	.0319	.0282	.0220	2.423
TOA BAJA CO																	
402320002A01	78*	18	.008	.011	.014	.018	.021	.027	.028	.043	.048	.075	.075	.0252	.0167	.0214	1.764
	79	27	.005	.007	.016	.027	.035	.044	.061	.077	.135	.166	.166	.0423	.0414	.0285	2.490
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	28	.004	.008	.018	.022	.026	.037	.044	.048	.072	.106	.106	.0313	.0245	.0237	2.216
	78*	19	.008	.009	.034	.037	.042	.057	.089	.122	.137	.137	.137	.0557	.0432	.0397	2.477

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	.008	.012	.022	.032	.048	.056	.059	.108	.127	.154	.154	.0497	.0392	.0374	2.187
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	.003	.005	.014	.029	.032	.048	.106	.136	.157	.183	.183	.0504	.0533	.0286	3.143
	79*	21	LD	LD	.005	.010	.014	.019	.029	.065	.067	.099	.099	.0205	.0261	.0092	4.232
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.008				
	78*	22	LD	LD	.002	.003	.003	.003	.004	.004	.005	.009	.009	.0029	.0020	.0021	2.589
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	LD	LD	LD	.003	.004	.004	.007	.019	.019	.031	.031	.0058	.0073	.0035	2.583
440380020A01	78	29	LD	LD	.002	.005	.006	.008	.011	.014	.018	.021	.021	.0068	.0057	.0043	3.090
	79	30	LD	LD	.002	.003	.003	.003	.005	.008	.013	.014	.014	.0037	.0035	.0025	2.507
KNOXVILLE																	
441740002A01	77*	22	LD	LD	LD	.003	.003	.004	.008	.011	.012	.033	.033	.0053	.0069	.0033	2.446
441740003A01	78	29	.002	.002	.004	.006	.006	.008	.010	.015	.016	.017	.017	.0074	.0045	.0062	1.860
MEMPHIS																	
442340001A01	77*	15	LD	LD	LD	.003	.004	.006	.011	.013	.013	.017	.017	.0055	.0051	.0037	2.479
	78*	19	LD	LD	.003	.004	.004	.006	.013	.029	.054	.074	.074	.0125	.0196	.0053	3.939
442340013A01	79*	17	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.005				
NASHVILLE																	
442540001A01	77*	21	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.005				
TEXAS																	
AMARILLO																	
450070002A01	77*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	LD	LD	.002	.003	.003	.004	.004	.004	.006	.006	.0024	.0018	.0015	3.128
AUSTIN																	
450220010A01	77*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
	78	22	LD	LD	LD	.002	.002	.002	.003	.003	.003	.004	.004	.0018	.0012	.0013	2.561

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

Year	Discr. Limit (UG/M3)	95% Conf. Precision (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.014				
	78	25	LD	LD	.003	.004	.004	.007	.007	.013	.019	.023	.023	.0059	.0058	.0037	3.082
CORPUS CHRISTI																	
451150001A01	77	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.019				
	78	26	LD	LD	.003	.004	.006	.006	.007	.009	.014	.020	.020	.0055	.0044	.0036	3.141
DALLAS																	
451310002A01	77*	21	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.005				
EL PASO																	
451700002A01	78*	17	LD	LD	.003	.004	.004	.005	.006	.006	.007	.009	.009	.0041	.0025	.0029	2.906
FORT WORTH																	
451800001A01	77	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.003				
	78	23	LD	LD	.002	.002	.003	.003	.003	.004	.004	.005	.005	.0025	.0011	.0021	2.119
HOUSTON																	
452560001A01	77*	18	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.029				
	78	25	LD	LD	.002	.003	.004	.005	.007	.009	.012	.014	.014	.0042	.0038	.0024	3.453
LUBBOCK																	
453340001A01	77*	21	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.008				
	78	25	LD	LD	LD	.002	.002	.004	.004	.005	.006	.006	.006	.0025	.0020	.0015	3.216
PASADENA																	
454060002A01	77*	27	LD	LD	LD	.004	.004	.006	.006	.008	.010	.020	.020	.0047	.0040	.0036	2.087
	78*	23	.002	.003	.004	.007	.008	.009	.013	.020	.023	.024	.024	.0091	.0065	.0072	2.036
SAN ANTONIO																	
454570034A01	77*	23	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.004				
	78	26	LD	LD	LD	.002	.002	.002	.002	.003	.003	.003	.003	.0014	.0010	.0009	2.586
WICHITA FALLS																	
455560002A01	77	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
	78	26	LD	LD	LD	.002	.002	.002	.002	.003	.004	.010	.010	.0019	.0021	.0012	2.835
UTAH																	
OGDEN																	
460680001A01	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78	29	LD	LD	.002	.002	.003	.003	.003	.004	.005	.005	.005	.0025	.0014	.0020	2.217

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A R

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.008				
	78*	25	LD	LD	.001	.002	.003	.004	.004	.007	.007	.007	.007	.0028	.0021	.0020	2.710
VERMONT																	
BURLINGTON																	
470140003A01	77	26	.005	.006	.015	.017	.018	.020	.022	.028	.035	.045	.045	.0189	.0092	.0167	1.684
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	LD	.006	.011	.021	.023	.028	.039	.065	.109	.119	.119	.0292	.0298	.0180	2.951
	78	27	LD	LD	.007	.014	.016	.020	.027	.033	.050	.055	.055	.0168	.0143	.0096	4.069
FAIRFAX CO																	
481060001A01	77*	27	LD	LD	LD	.010	.012	.014	.021	.029	.039	.066	.066	.0140	.0152	.0075	3.429
HAMPTON																	
481440001A01	77	30	.008	.011	.028	.047	.052	.057	.071	.096	.115	.201	.201	.0518	.0397	.0399	2.150
LYNCHBURG																	
481840002A01	77	30	LD	LD	.004	.007	.010	.012	.015	.023	.030	.035	.035	.0101	.0090	.0066	2.764
	78	29	LD	LD	.006	.010	.011	.012	.023	.030	.041	.087	.087	.0149	.0175	.0079	3.888
NORFOLK																	
482140001A01	77	29	.024	.034	.047	.067	.076	.091	.130	.173	.223	.223	.223	.0882	.0582	.0730	1.855
	78	29	.004	.013	.068	.080	.093	.098	.119	.141	.245	.608	.608	.1034	.1104	.0690	2.734
	79	29	.013	.023	.036	.071	.083	.092	.119	.170	.296	.424	.424	.0952	.0911	.0677	2.292
PORTSMOUTH																	
482440001A01	77	30	.004	.021	.043	.086	.094	.103	.145	.187	.264	.275	.275	.0954	.0711	.0683	2.573
	78*	25	.022	.040	.076	.092	.107	.127	.140	.240	.243	.323	.323	.1133	.0721	.0935	1.935
RICHMOND																	
482660002A01	77	30	.015	.018	.035	.082	.123	.154	.164	.200	.267	.276	.276	.1071	.0790	.0755	2.533
ROANOKE																	
482700003A01	77	29	LD	LD	LD	.004	.004	.006	.013	.015	.026	.038	.038	.0073	.0085	.0042	2.838

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	LD	LD	.008	.010	.011	.013	.014	.017	.018	.031	.031	.0107	.0065	.0086	2.117
	78	30	.004	.004	.006	.008	.009	.012	.016	.022	.025	.028	.028	.0107	.0068	.0090	1.790
SPOKANE																	
492040001A01	77*	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.007				
	78	27	LD	.002	.003	.005	.006	.006	.008	.013	.021	.027	.027	.0066	.0059	.0049	2.313
	79*	25	LD	.003	.004	.006	.006	.007	.009	.014	.015	.017	.017	.0067	.0042	.0055	2.037
TACOMA																	
492140001A01	77	28	LD	LD	LD	.008	.008	.010	.012	.015	.040	.041	.041	.0098	.0101	.0062	2.792
	78	30	LD	.002	.004	.006	.007	.009	.013	.021	.022	.060	.060	.0097	.0114	.0061	2.776
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									.004				
	78*	23	LD	LD	.002	.004	.005	.006	.007	.010	.014	.021	.021	.0051	.0049	.0032	3.049
SOUTH CHARLEST																	
501760001A01	77	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.005				
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.006				
	78	25	LD	LD	LD	.001	.002	.003	.003	.008	.009	.016	.016	.0027	.0038	.0012	3.724
	79	29	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.014				
KENOSHA																	
511540001A01	77*	23	LD	LD	LD	.003	.004	.004	.005	.011	.011	.024	.024	.0048	.0054	.0032	2.369
511540003A01	78	30	LD	LD	.002	.004	.005	.007	.008	.010	.011	.039	.039	.0058	.0071	.0032	3.594
	79	27	LD	LD	LD	.001	.002	.004	.006	.007	.008	.011	.011	.0030	.0031	.0017	3.066
MADISON																	
511860001A01	77	28	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.004				
	78	29	LD	LD	LD	.002	.002	.002	.003	.004	.004	.005	.005	.0020	.0014	.0013	2.769
	79*	26	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.004				
MILWAUKEE																	
512200099A01	77	26	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.018				
	78	25	LD	.002	.004	.006	.006	.010	.013	.020	.026	.052	.052	.0094	.0109	.0055	3.167
	79	29	LD	LD	.001	.002	.003	.004	.007	.011	.011	.014	.014	.0039	.0039	.0024	2.974

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512880002A01	77	28	LD	NO. OF SAMPLES (	28) BELOW MIN. DET. > 50%								.015				
	78	29	LD	LD	.002	.003	.004	.005	.008	.010	.011	.015	.015	.0045	.0038	.0028	3.150
	79	29	LD	LD	LD	.002	.002	.003	.003	.004	.006	.007	.007	.0021	.0018	.0015	2.427
SUPERIOR																	
513480001A01	77	21	LD	NO. OF SAMPLES (	11) BELOW MIN. DET. > 50%								.018				
	78	26	LD	.001	.003	.004	.004	.005	.005	.006	.006	.007	.007	.0038	.0019	.0031	2.169
513480006A01	79	28	LD	.002	.003	.004	.004	.006	.007	.010	.012	.017	.017	.0054	.0039	.0041	2.246

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.003				
DELAWARE																	
KENT CO																	
080060001A03	77	29	LD	.003	.009	.013	.015	.016	.021	.038	.051	.053	.053	.0168	.0141	.0120	2.382
	78	30	.004	.005	.011	.021	.027	.027	.039	.043	.073	.089	.089	.0259	.0201	.0193	2.271
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	LD	LD	.004	.005	.007	.008	.012	.018	.023	.023	.0057	.0059	.0038	2.518
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
	78	29	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.003				
INDIANA																	
MONROE CO																	
152800001A03	77*	18	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.006				
	78*	20	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.003				
	79	28	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.004				
PARKE CO																	
153260001A03	77*	22	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.008				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

NONURBAN

ANALYTICAL QUALITY 95% CONF.

DISCR. LIMIT (UG/M3)		PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	LD	LD	.004	.006	.007	.012	.014	.021	.040	.040	.0073	.0087	.0044	2.734
	78*	23	.002	.002	.005	.010	.012	.014	.015	.020	.022	.026	.026	.0109	.0067	.0089	2.039
	79*	19	LD	.002	.005	.006	.008	.012	.014	.015	.015	.015	.015	.0084	.0052	.0064	2.439
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	LD	.005	.009	.017	.019	.022	.025	.045	.053	.074	.074	.0202	.0166	.0149	2.316
	78*	23	.003	.006	.014	.021	.022	.028	.032	.059	.060	.069	.069	.0257	.0189	.0194	2.278
	79	25	.002	.005	.011	.019	.020	.025	.026	.052	.052	.083	.083	.0222	.0183	.0162	2.363
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.007				
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.003				
ROSEBUD CO																	
271360026A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									.004				
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									.005				
	78*	24	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.003				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	LD	.004	.007	.008	.009	.010	.012	.015	.022	.022	.0072	.0048	.0057	2.049
	78*	19	LD	.002	.005	.007	.008	.008	.015	.016	.017	.028	.028	.0090	.0067	.0066	2.602

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) / 95% CONF. PRECISION (%)

YEAR	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	79*	16	LD	LD	.002	.003	.004	.008	.011	.012	.020	.027	.027	.0067	.0077	.0034	3.718
NEW YORK																	
JEFFERSON CO																	
333340001A03	79*	19	LD	LD	.002	.006	.006	.008	.013	.021	.027	.030	.030	.0085	.0089	.0046	3.502
OREGON																	
CURRY CO																	
380440001A03	77	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
	78*	24	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.005				
PENNSYLVANIA																	
CLARION CO																	
391760001A03	77*	25	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.007				
	78	30	LD	LD	LD	.002	.002	.002	.002	.004	.004	.014	.014	.0028	.0027	.0011	2.933
RHODE ISLAND																	
WASHINGTON CO																	
410380002A03	77*	19	LD	LD	.008	.011	.012	.012	.016	.019	.022	.028	.028	.0114	.0070	.0087	2.483
	78*	17	.002	.004	.008	.012	.017	.023	.028	.032	.037	.041	.041	.0170	.0122	.0128	2.275
SOUTH CAROLINA																	
RICHLAND CO																	
421900002A03	77*	19	LD	LD	.006	.007	.008	.010	.017	.030	.059	.137	.137	.0187	.0318	.0086	3.331
SOUTH DAKOTA																	
BLACK HILLS NA																	
430110001A03	77*	24	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									LD				
	78	27	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.007				
TENNESSEE																	
CUMBERLAND CO																	
440680001A03	77	29	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.006				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12164 - VANADIUM
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0030	+-16.0
1978	.0007	+-16.0
1979	.0011	+-29.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.006				
TOM GREEN CO																	
455200001A03	77	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
	78*	17	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.009				
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	LD	LD	.004	.004	.008	.009	.014	.022	.024	.024	.0065	.0068	.0041	2.687
	79*	18	LD	LD	LD	.002	.004	.005	.007	.011	.014	.016	.016	.0047	.0050	.0025	3.514
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	LD	LD	.003	.004	.004	.007	.009	.010	.013	.013	.0042	.0032	.0033	2.079
	78*	18	LD	LD	.002	.003	.004	.008	.011	.013	.020	.068	.068	.0090	.0156	.0036	4.106
	79	29	LD	LD	LD	.002	.003	.003	.005	.006	.016	.016	.016	.0034	.0042	.0018	3.237
WYTHE CO																	
483440001A03	77	30	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.009				
	78*	17	LD	LD	LD	.002	.002	.002	.004	.007	.010	.011	.011	.0027	.0034	.0012	3.760
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.004				
	78*	16	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.006				
510780002A03	79*	22	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.003				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ALABAMA																	
BIRMINGHAM																	
010380003A01	77	25	.042	.055	.098	.203	.278	.495	.593	.729	.797	1.281	1.281	.3352	.3124	.2125	2.766
	78*	20	.073	.080	.142	.253	.340	.396	.421	.547	1.165	1.446	1.446	.3690	.3514	.2663	2.248
GADSDEN																	
011480001A01	77	25	.020	.033	.046	.068	.075	.088	.093	.187	.195	.683	.683	.0964	.1296	.0680	2.078
	78*	17	LD	LD	.045	.076	.079	.087	.096	.096	.118	.125	.125	.0667	.0359	.0524	2.339
HUNTSVILLE																	
011860001A01	77	26	.026	.031	.038	.055	.063	.068	.072	.075	.089	.095	.095	.0552	.0198	.0517	1.456
	78*	15	.097	.098	.138	.171	.194	.205	.260	.288	.288	.323	.323	.1859	.0718	.1731	1.485
MOBILE																	
012380001A01	77*	19	.059	.071	.079	.088	.089	.101	.136	.167	.168	.181	.181	.1044	.0390	.0984	1.411
MONTGOMERY																	
012460001A01	77*	20	.033	.034	.038	.041	.044	.054	.069	.085	.099	.105	.105	.0534	.0227	.0497	1.455
ALASKA																	
ANCHORAGE																	
020040003A01	77*	18	LD	.026	.031	.032	.047	.053	.061	.067	.087	.089	.089	.0446	.0220	.0391	1.774
	78*	17	LD	LD	.024	.036	.039	.048	.056	.059	.117	.179	.179	.0470	.0424	.0349	2.201
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
FAIRBANKS																	
020160001A01	77*	25	.025	.033	.045	.062	.065	.066	.069	.096	.115	.125	.125	.0611	.0255	.0563	1.516
020160016A01	78*	24	LD	LD	LD	.031	.033	.037	.044	.055	.090	.416	.416	.0440	.0818	.0241	2.609
ARIZONA																	
DOUGLAS																	
030240004A01	77*	25	.022	.027	.066	.076	.080	.090	.130	.164	.179	.180	.180	.0841	.0488	.0706	1.873
	78	24	LD	.020	.036	.058	.064	.096	.123	.174	.388	.400	.400	.0948	.1020	.0634	2.446
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
PHOENIX																	
030600002A01	77*	20	.045	.063	.080	.089	.116	.129	.163	.261	.276	.436	.436	.1377	.0966	.1153	1.785
	78*	22	.056	.062	.093	.106	.107	.113	.172	.214	.261	.647	.647	.1408	.1238	.1171	1.718
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TUCSON																	
030860001A01	77	30	.023	.028	.040	.054	.060	.069	.074	.117	.144	.162	.162	.0626	.0341	.0554	1.629

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 98 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
TUCSON																	
030860001A01	78*	24	LD	LD	.031	.046	.050	.055	.061	.083	.084	.087	.087	.0455	.0238	.0379	1.998
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
ARKANSAS																	
LITTLE ROCK																	
041440001A01	78	20	LD	LD	LD	.041	.042	.049	.052	.058	.064	.080	.080	.0360	.0219	.0288	2.208
TEXARKANA																	
042560001A01	78*	16	LD	LD	LD	.025	.030	.031	.043	.051	.054	.057	.057	.0284	.0163	.0237	1.917
WEST MEMPHIS																	
042740004A01	78*	17	LD	LD	.026	.055	.056	.100	.240	.248	.533	1.241	1.241	.1708	.3067	.0638	4.049
CALIFORNIA																	
ANAHEIM																	
050230001A01	77	30	.073	.085	.127	.164	.187	.236	.338	.396	.847	.919	.919	.2545	.2262	.1953	1.991
	78*	24	.059	.070	.110	.143	.191	.250	.423	.612	.704	1.386	1.386	.2774	.2981	.1913	2.280
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BERKELEY																	
050740001A01	77	30	LD	.038	.048	.079	.080	.096	.131	.133	.600	.692	.692	.1141	.1496	.0758	2.340
	78*	24	LD	.029	.057	.081	.098	.125	.142	.222	.224	.290	.290	.1027	.0707	.0807	2.132
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
BURBANK																	
050900002A01	77	30	.063	.100	.126	.175	.186	.2[illegible]6	.233	.247	.346	.372	.372	.1822	.0726	.1687	1.499
FRESNO																	
052800002A01	77	30	.026	.038	.064	.074	.087	.117	.125	.140	.176	.187	.187	.0891	.0425	.0792	1.666
	78*	24	LD	.034	.058	.085	.091	.099	.161	.178	.216	.263	.263	.1005	.0622	.0821	2.024
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
LONG BEACH																	
054100001A01	77	27	.058	.088	.155	.175	.197	.248	.306	.412	.541	.580	.580	.2331	.1423	.1961	1.830
LOS ANGELES																	
054180001A01	77	30	.110	.119	.164	.235	.264	.311	.379	.431	.533	.548	.548	.2657	.1227	.2405	1.575
	78*	20	.098	.103	.149	.194	.258	.296	.335	.408	.490	.527	.527	.2475	.1283	.2183	1.675
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
CALIFORNIA																	
OAKLAND																	
055300001A01	77	29	.068	.083	.153	.179	.206	.239	.295	.346	.380	.500	.500	.2133	.1031	.1907	1.630
ONTARIO																	
055380001A01	77	30	.076	.106	.147	.218	.228	.255	.263	.303	.371	.475	.475	.2135	.0904	.1948	1.565
	78*	24	.041	.046	.110	.131	.154	.186	.194	.218	.333	.348	.348	.1523	.0777	.1330	1.752
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
PASADENA																	
055760002A01	77	29	.085	.107	.148	.197	.206	.225	.230	.281	.385	.833	.833	.2134	.1363	.1899	1.570
SACRAMENTO																	
056580001A01	77	30	.040	.044	.047	.060	.063	.067	.089	.104	.151	.154	.154	.0709	.0328	.0652	1.481
	78*	24	LD	LD	.044	.054	.069	.079	.088	.099	.107	.154	.154	.0633	.0333	.0534	1.948
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SAN BERNARDINO																	
056680001A01	77	29	.037	.056	.095	.174	.180	.195	.217	.246	.322	.419	.419	.1640	.0876	.1412	1.818
	78*	24	LD	LD	.051	.104	.105	.120	.132	.144	.195	.202	.202	.0931	.0542	.0710	2.446
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SAN DIEGO																	
056800004A01	77	30	.063	.078	.106	.112	.132	.141	.219	.290	.383	.452	.452	.1575	.0964	.1372	1.656
	78*	24	.075	.078	.112	.146	.161	.179	.197	.267	.269	.303	.303	.1591	.0660	.1468	1.505
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SAN FRANCISCO																	
056860001A01	77	30	.025	.040	.049	.066	.074	.076	.090	.116	.236	.324	.324	.0813	.0598	.0697	1.672
SAN JOSE																	
056980004A01	77	30	.040	.059	.076	.093	.095	.122	.165	.168	.181	.215	.215	.1075	.0470	.0980	1.558
	78*	24	.027	.038	.065	.084	.089	.103	.108	.114	.128	.173	.173	.0855	.0331	.0787	1.548
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
SANTA ANA																	
057180001A01	77	29	.048	.075	.101	.126	.129	.141	.165	.187	.242	.287	.287	.1315	.0542	.1214	1.510
	78*	20	.048	.050	.071	.100	.105	.116	.128	.147	.200	.209	.209	.1026	.0457	.0939	1.537
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
TORRANCE																	
058260001A01	77	29	.082	.132	.237	.356	.402	.498	.687	1.017	1.484	2.211	2.211	.5100	.4725	.3689	2.233

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3) — 95% CONF. PRECISION (%)

	DISCR. LIMIT (UG/M3)	95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
COLORADO																	
DENVER																	
060580001A01	77*	18	.038	.043	.071	.101	.130	.181	.183	.267	.338	.686	.686	.1630	.1542	.1216	2.117
CONNECTICUT																	
BRIDGEPORT																	
070060001A01	78	30	.036	.054	.111	.161	.215	.282	.534	1.242	5.747	6.199	6.199	.7556	1.5793	.2364	3.879
	79	27	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									2.524				
HARTFORD																	
070420002A01	77*	16	.041	.044	.063	.103	.131	.142	.162	.177	.288	.215	.215	.1131	.0574	.0984	1.760
	78*	21	LD	LD	.048	.066	.089	.116	.142	.219	.336	.367	.367	.1031	.0991	.0643	2.990
NEW HAVEN																	
070700001A01	77*	15	.056	.058	.091	.125	.146	.187	.232	.240	.240	.269	.269	.1467	.0717	.1300	1.685
070700123A01	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
WATERBURY																	
071240123A01	77*	26	.087	.094	.158	.280	.332	.352	.494	.526	.775	.829	.829	.3115	.2031	.2528	1.966
	78	31	.044	.057	.116	.179	.249	.286	.535	.772	.879	2.029	2.029	.3438	.4170	.2107	2.627
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.633				
DELAWARE																	
NEWARK																	
080140001A01	77	29	.053	.063	.083	.103	.118	.142	.153	.215	.243	6.237	6.237	.3296	1.1373	.1252	2.355
WILMINGTON																	
080260002A01	77	27	.071	.123	.149	.179	.182	.200	.257	.410	.557	.695	.695	.2255	.1470	.1943	1.685
FLORIDA																	
DAVIE																	
100910002A01	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
JACKSONVILLE																	
101960002A01	77	28	.037	.056	.080	.102	.106	.124	.129	.150	.181	.182	.182	.1049	.0374	.0980	1.477
101960049A01	78*	23	.035	.035	.050	.072	.073	.109	.132	.247	.249	.410	.410	.1067	.0936	.0815	2.025
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
MIAMI																	
102700002A01	77*	20	.038	.044	.056	.067	.070	.073	.079	.083	.089	.181	.181	.0699	.0297	.0658	1.394

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
FLORIDA																	
TAMPA																	
104360002A01	77*	26	.048	.049	.077	.123	.180	.202	.538	.603	.761	.897	.897	.2534	.2548	.1601	2.630
	78*	23	.029	.036	.047	.083	.147	.202	.359	.569	.705	.823	.823	.2086	.2364	.1155	3.007
	79*	22	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.464				
GEORGIA																	
ATLANTA																	
110200001A01	77	27	.026	.040	.062	.132	.161	.209	.226	.261	.407	.478	.478	.1540	.1164	.1162	2.199
	78*	24	.039	.041	.075	.107	.119	.132	.137	.350	.406	.678	.678	.1537	.1449	.1174	1.994
COLUMBUS																	
111280001A01	77	28	.029	.043	.056	.060	.061	.081	.087	.106	.125	.130	.130	.0695	.0249	.0656	1.420
SAVANNAH																	
114500001A01	77*	18	LD	.036	.054	.063	.085	.089	.090	.094	.113	.123	.123	.0713	.0281	.0631	1.853
HAWAII																	
HONOLULU																	
120120001A01	77	30	LD	LD	LD	.027	.029	.034	.050	.060	.079	.104	.104	.0290	.0259	.0193	2.553
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
IDAHO																	
BOISE CITY																	
130220001A01	77	28	.026	.032	.043	.050	.055	.062	.079	.107	.147	.160	.160	.0625	.0332	.0561	1.572
	78	26	LD	LD	.035	.043	.048	.063	.073	.076	.113	.197	.197	.0532	.0384	.0425	2.041
ILLINOIS																	
BLUE ISLAND																	
140500001A01	77*	17	.088	.090	.123	.154	.163	.175	.225	.227	.253	.291	.291	.1609	.0599	.1510	1.443
CHICAGO																	
141220001A01	77*	18	.046	.061	.146	.214	.261	.310	.313	.531	.539	1.439	1.439	.3062	.3159	.2194	2.272
MOLINE																	
145120001A01	77*	23	.031	.043	.052	.071	.077	.090	.126	.162	.197	.223	.223	.0900	.0532	.0778	1.709
NORTH CHICAGO																	
145620002A01	77*	23	.035	.040	.061	.094	.115	.119	.141	.856	1.182	4.447	4.447	.3591	.9324	.1192	3.185

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ILLINOIS																	
PEORIA																	
146080001A01	77*	22	.073	.077	.100	.151	.187	.280	.390	.410	.470	.576	.576	.2252	.1533	.1796	2.003
ROCK ISLAND																	
146780001A01	77*	21	.032	.051	.061	.077	.081	.105	.113	.212	.297	.390	.390	.1106	.0807	.0900	1.832
INDIANA																	
EAST CHICAGO																	
151180001A01	77*	24	.122	.144	.261	.348	.469	.604	.953	2.554	2.729	3.803	3.803	.7756	.9399	.4797	2.533
	78*	18	.184	.184	.205	.285	.311	.427	.477	1.401	1.924	3.947	3.947	.6542	.9442	.3928	2.421
EVANSVILLE																	
151300001A01	77*	18	.029	.045	.073	.076	.101	.124	.142	.171	.193	.214	.214	.1033	.0539	.0906	1.715
151300006A01	78*	23	.045	.045	.063	.074	.078	.090	.100	.120	.148	.182	.182	.0824	.0342	.0767	1.460
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
FORT WAYNE																	
151380003A01	77*	23	.032	.071	.089	.107	.110	.121	.132	.168	.174	.207	.207	.1102	.0385	.1035	1.460
	78	25	.028	.044	.071	.092	.097	.121	.138	.190	.305	.402	.402	.1139	.0824	.0949	1.810
GARY																	
151520001A01	77*	26	.050	.066	.101	.139	.158	.168	.211	.286	.430	.444	.444	.1668	.1047	.1420	1.764
	78*	25	.056	.069	.102	.136	.145	.189	.300	.632	.690	1.109	1.109	.2298	.2473	.1610	2.195
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
HAMMOND																	
151780001A01	78*	24	.073	.083	.166	.226	.228	.348	.469	.848	1.056	2.668	2.668	.4152	.5411	.2739	2.298
	79*	23	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									2.118				
151780002A01	77*	20	.076	.087	.119	.211	.228	.236	.365	.449	.589	1.042	1.042	.2712	.2291	.2108	2.012
INDIANAPOLIS																	
152040002A01	77	27	.067	.100	.128	.232	.250	.412	.472	.714	.907	.972	.972	.3200	.2622	.2378	2.178
	78*	19	.071	.073	.097	.133	.138	.160	.170	.217	.396	.405	.405	.1570	.0951	.1377	1.646
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
NEW ALBANY																	
152980002A01	77*	24	.031	.051	.058	.075	.083	.101	.104	.170	.192	.271	.271	.0951	.0533	.0845	1.611
	78*	22	.046	.049	.071	.098	.102	.150	.194	.215	.266	.303	.303	.1242	.0720	.1073	1.724
SOUTH BEND																	
153880002A01	77*	27	.047	.068	.095	.112	.128	.164	.200	.260	.371	1.206	1.206	.1806	.2199	.1342	1.954
	78*	23	.020	.061	.101	.123	.125	.131	.135	.174	.238	.272	.272	.1232	.0537	.1111	1.665

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
INDIANA																	
SOUTH BEND																	
153680002A01	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
TERRE HAUTE																	
154080001A01	77*	26	.046	.052	.059	.085	.113	.128	.144	.169	.202	.250	.250	.1052	.0536	.0935	1.638
	78	24	.038	.043	.099	.112	.120	.131	.133	.155	.182	.224	.224	.1154	.0413	.1076	1.498
	79*	20	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									LD				
IOWA																	
CEDAR RAPIDS																	
160640018A01	77	24	.022	.028	.043	.063	.066	.077	.083	.105	.116	.125	.125	.0656	.0272	.0599	1.569
DAVENPORT																	
161060001A01	77*	26	.037	.046	.053	.069	.078	.091	.099	.108	.119	.328	.328	.0821	.0556	.0725	1.581
	78	28	LD	.027	.052	.075	.080	.096	.114	.136	.161	.186	.186	.0809	.0440	.0670	2.034
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
DES MOINES																	
161180001A01	78*	23	LD	LD	.042	.054	.056	.058	.068	.084	.086	.094	.094	.0533	.0214	.0475	1.758
	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
DUBUQUE																	
161260002A01	77*	21	LD	LD	.027	.037	.047	.054	.060	.068	.103	.143	.143	.0457	.0316	.0363	2.094
161260008A01	77*	21	LD	.020	.029	.058	.063	.065	.076	.112	.161	.204	.204	.0635	.0477	.0496	2.109
	78*	22	LD	LD	.033	.051	.058	.069	.079	.089	.100	.106	.106	.0517	.0298	.0411	2.185
WATERLOO																	
163760004A01	77	26	.029	.044	.060	.067	.079	.082	.113	.218	.268	.272	.272	.0975	.0739	.0789	1.872
KANSAS																	
KANSAS CITY																	
171800011A01	78	27	.033	.054	.080	.118	.129	.166	.192	.211	.316	.585	.585	.1434	.1098	.1171	1.877
171800012A01	77	27	.033	.042	.048	.078	.081	.100	.110	.126	.243	.302	.302	.0925	.0612	.0791	1.725
171800015A01	77	30	.034	.048	.099	.138	.147	.172	.190	.267	.278	1.176	1.176	.1763	.2002	.1347	1.958
	78	28	.026	.075	.091	.110	.127	.150	.190	.241	.336	.807	.807	.1574	.1445	.1262	1.871
TOPEKA																	
173560001A01	77*	24	.018	.024	.031	.041	.042	.044	.047	.085	.101	.136	.136	.0472	.0269	.0421	1.581
	78	26	LD	LD	.034	.042	.050	.051	.056	.070	.080	.144	.144	.0444	.0290	.0351	2.142

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
KANSAS																	
WICHITA																	
173740001A01	77*	15	.022	.027	.027	.040	.041	.058	.062	.077	.077	.099	.099	.0457	.0227	.0412	1.594
	78*	25	LD	LD	.025	.033	.038	.048	.049	.069	.071	.079	.079	.0368	.0195	.0313	1.857
KENTUCKY																	
ASHLAND																	
180080002A01	77*	23	.051	.073	.119	.185	.232	.259	.299	.550	.562	.653	.653	.2351	.1634	.1898	1.960
	78*	19	.040	.078	.127	.183	.183	.265	.386	.423	.467	.496	.496	.2311	.1466	.1870	2.013
BOWLING GREEN																	
180320001A01	77	25	.027	.030	.036	.050	.058	.058	.062	.078	.162	.374	.374	.0650	.0697	.0518	1.765
COVINGTON																	
180800001A01	77	28	.039	.044	.093	.126	.165	.170	.191	.226	.340	.453	.453	.1494	.0921	.1257	1.843
	78*	18	.052	.088	.105	.125	.155	.166	.176	.512	.519	.545	.545	.2063	.1653	.1618	1.974
	79	30	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									2.443				
LEXINGTON																	
182300001A01	77*	23	.033	.037	.048	.064	.070	.072	.082	.105	.119	.177	.177	.0712	.0325	.0655	1.494
182300003A01	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
LOUISVILLE																	
182380002A01	77	26	.036	.055	.075	.108	.113	.141	.148	.156	.216	.282	.282	.1153	.0572	.1028	1.642
182380035A01	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
LOUISIANA																	
BATON ROUGE																	
190280002A01	77	26	.028	.033	.045	.048	.055	.061	.067	.077	.084	.244	.244	.0601	.0403	.0539	1.520
	78*	24	LD	.024	.044	.052	.055	.067	.069	.100	.105	.138	.138	.0591	.0287	.0523	1.716
IBERVILLE PAR																	
191280002A01	77	24	LD	LD	LD	.028	.038	.043	.050	.133	.233	.308	.308	.0526	.0733	.0286	2.954
	78	28	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.165				
NEW ORLEANS																	
192020002A01	77	26	.035	.047	.055	.073	.082	.100	.106	.116	.134	.139	.139	.0812	.0297	.0759	1.461
	78*	24	LD	LD	.051	.060	.065	.074	.080	.090	.110	.117	.117	.0617	.0276	.0533	1.806
SHREVEPORT																	
192740001A01	78*	24	LD	LD	.032	.060	.073	.093	.141	.246	.253	.414	.414	.0967	.0984	.0606	2.803

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
PORTLAND																	
200960004A01	77	26	.021	.029	.044	.061	.067	.079	.100	.106	.141	.357	.357	.0764	.0649	.0623	1.834
	78	27	LD	.027	.040	.062	.066	.075	.090	.107	.112	.131	.131	.0624	.0311	.0533	1.892
	79	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
BALTIMORE																	
210120001A01	77	30	.056	.090	.122	.152	.183	.192	.236	.358	.579	.613	.613	.1982	.1339	.1684	1.737
	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
MASSACHUSETTS																	
BOSTON																	
220240012A01	78*	26	.048	.057	.078	.110	.119	.142	.220	.253	.478	2.001	2.001	.2155	.3795	.1305	2.289
	79*	20	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									.505				
CAMBRIDGE																	
220360001A01	78	28	LD	.027	.046	.060	.073	.093	.141	.199	.353	1.487	1.487	.1419	.2764	.0735	2.780
	79*	21	LD	NO. OF SAMPLES (20) BELOW MIN. DET. > 50%									.654				
FALL RIVER																	
220580001A01	78	29	LD	LD	.060	.075	.103	.120	.145	.235	.281	.540	.540	.1147	.1081	.0784	2.598
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				
NEW BEDFORD																	
221500002A01	78	26	LD	LD	.038	.050	.071	.073	.111	.138	.162	.269	.269	.0710	.0594	.0493	2.575
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
SPRINGFIELD																	
222140002A01	78	29	.035	.042	.091	.167	.223	.279	.400	1.161	1.358	2.531	2.531	.4059	.5685	.1963	3.287
	79*	23	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.499				
WORCHESTER																	
222640004A01	77	23	.037	.037	.065	.109	.118	.130	.138	.178	.225	.288	.288	.1115	.0632	.0957	1.788
	78	29	.024	.028	.062	.106	.107	.132	.171	.182	.232	.252	.252	.1095	.0636	.0907	1.935
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
MICHIGAN																	
DETROIT																	
231180001A01	77*	23	.109	.111	.227	.309	.365	.407	.415	.546	1.141	1.483	1.483	.3783	.3236	.2974	1.969

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MICHIGAN																	
FLINT																	
231580008A01	77*	16	.055	.067	.091	.101	.113	.114	.130	.153	.195	.224	.224	.1147	.0445	.1077	1.435
	78*	22	.034	.038	.045	.055	.069	.095	.117	.162	.163	.183	.183	.0806	.0448	.0704	1.686
GRAND RAPIDS																	
231820001A01	77*	22	.052	.076	.229	.356	.367	.419	.581	1.309	2.058	2.457	2.457	.5517	.6416	.3322	2.779
LANSING																	
232840001A01	77*	22	.031	.046	.067	.080	.094	.106	.118	.158	.168	.490	.490	.1074	.0931	.0886	1.774
	78*	23	.050	.051	.074	.084	.088	.093	.095	.113	.137	.161	.161	.0854	.0263	.0819	1.340
SAGINAW																	
234760001A01	77	25	.034	.041	.082	.131	.142	.161	.199	.332	.336	.358	.358	.1489	.0999	.1174	2.081
	78*	22	.037	.039	.075	.152	.155	.193	.288	.355	.404	.473	.473	.1804	.1293	.1369	2.215
TRENTON																	
235120004A01	77*	21	.070	.078	.100	.150	.178	.188	.216	.231	.609	1.128	1.128	.2115	.2388	.1578	1.961
MINNESOTA																	
DULUTH																	
241040001A01	77*	25	LD	LD	.032	.043	.054	.057	.060	.114	.129	.171	.171	.0524	.0395	.0388	2.382
241040017A01	78*	24	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.071				
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
MINNEAPOLIS																	
242260027A01	77	24	.045	.057	.073	.110	.156	.235	.237	.365	.493	1.070	1.070	.2026	.2171	.1439	2.207
	78	28	LD	.051	.063	.095	.123	.212	.265	.323	.508	.655	.655	.1745	.1672	.1177	2.527
ST PAUL																	
243300031A01	77*	24	.045	.047	.072	.094	.097	.107	.139	.197	.202	.364	.364	.1111	.0702	.0963	1.682
	78*	17	LD	.027	.040	.066	.075	.085	.130	.138	.155	.161	.161	.0776	.0469	.0627	2.085
MISSISSIPPI																	
JACKSON																	
251260002A01	77	26	LD	.026	.037	.047	.063	.078	.113	.148	.205	1.852	1.852	.1366	.3536	.0586	2.914
	78	31	LD	LD	.040	.063	.072	.109	.156	.511	.742	.864	.864	.1537	.2381	.0717	3.252

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

														ARITHMETIC		GEOMETRIC	
SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	MEAN	STDEV	MEAN	STD
MISSOURI																	
KANSAS CITY																	
262380002A01	78	29	.042	.055	.070	.115	.128	.140	.208	.326	.571	.905	.905	.1711	.1828	.1230	2.120
ST LOUIS																	
264280001A01	77	27	.070	.078	.129	.279	.349	.414	.465	.776	1.533	1.663	1.663	.3840	.4052	.2563	2.438
MONTANA																	
HELENA																	
270720001A01	77*	20	LD	LD	.035	.064	.071	.101	.130	.212	.373	.550	.550	.1086	.1351	.0564	3.546
NEBRASKA																	
LINCOLN																	
281560002A01	77	28	.018	.018	.022	.032	.035	.036	.039	.058	.073	.076	.076	.0351	.0163	.0320	1.535
	78	25	LD	.027	.040	.049	.050	.059	.061	.069	.072	.074	.074	.0479	.0163	.0444	1.553
OMAHA																	
281880034A01	77*	17	LD	.029	.045	.063	.075	.092	.192	.194	.257	.361	.361	.1055	.0955	.0729	2.538
	78*	15	.025	.029	.035	.047	.055	.059	.114	.184	.184	.319	.319	.0812	.0806	.0594	2.120
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
NEVADA																	
LAS VEGAS																	
290320001A01	77	27	.023	.044	.051	.066	.068	.075	.079	.117	.147	.158	.158	.0722	.0316	.0665	1.510
	78*	21	.021	.022	.029	.042	.043	.047	.053	.056	.056	.081	.081	.0406	.0149	.0381	1.440
	79*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
RENO																	
290480001A01	77*	23	.029	.043	.059	.072	.077	.108	.183	.298	.321	.413	.413	.1212	.1020	.0932	2.017
	78	26	.026	.037	.053	.078	.090	.100	.137	.156	.208	.392	.392	.0987	.0761	.0806	1.861
	79	30	LD	NO. OF SAMPLES (30) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
CONCORD																	
300120002A01	77*	18	LD	LD	.030	.038	.049	.054	.055	.091	.108	.113	.113	.0487	.0303	.0393	2.104
	79*	15	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									LD				

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POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW JERSEY																	
BAYONNE																	
310180001A01	77	29	.056	.106	.190	.235	.239	.276	.296	.480	.852	1.561	1.561	.3028	.2872	.2373	1.947
	78	23	.038	.044	.073	.130	.198	.280	.346	.363	.514	1.300	1.300	.2348	.2686	.1530	2.517
CAMDEN																	
310720001A01	77*	21	.092	.118	.182	.349	.406	.498	.683	.857	1.156	1.282	1.282	.4323	.3341	.3313	2.123
	78	28	.073	.104	.274	.355	.363	.448	.624	.808	.960	1.486	1.486	.4395	.3148	.3458	2.081
CAMDEN CO																	
310740003A01	77*	24	.045	.046	.075	.118	.135	.181	.215	.264	.316	.373	.373	.1458	.0889	.1220	1.823
	78*	23	LD	LD	.046	.098	.122	.188	.190	.224	.225	.886	.886	.1467	.1769	.0919	2.811
ELIZABETH																	
311300002A01	78	29	LD	.029	.080	.148	.163	.223	.314	.405	.787	.908	.908	.2108	.2143	.1265	3.090
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GLASSBORO																	
311700001A01	77*	21	LD	.044	.066	.081	.108	.145	.172	.240	.269	.271	.271	.1130	.0751	.0889	2.210
	78	27	LD	LD	.034	.059	.066	.118	.158	.193	.302	.355	.355	.0937	.0906	.0557	3.107
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
JERSEY CITY																	
312320001A01	77*	23	.099	.111	.164	.306	.329	.378	.397	.472	.559	.565	.565	.2982	.1417	.2631	1.706
	78*	23	LD	.036	.089	.169	.183	.262	.304	.384	.607	.940	.940	.2238	.2118	.1485	2.734
	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NEWARK																	
313480001A01	77*	21	.053	.067	.172	.195	.266	.301	.426	.534	.566	.713	.713	.2718	.1844	.2141	2.108
	78	26	LD	.033	.116	.172	.210	.222	.398	.575	1.095	1.524	1.524	.2990	.3584	.1670	3.176
	79	26	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									2.129				
PATERSON																	
314140001A01	77*	16	.099	.101	.154	.249	.267	.283	.302	.318	.393	.401	.401	.2379	.0972	.2166	1.601
314140005A01	78*	17	.055	.058	.068	.088	.090	.122	.173	.211	.234	.237	.237	.1130	.0629	.0996	1.652
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PERTH AMBOY																	
314220001A01	77	27	.052	.082	.142	.185	.218	.258	.361	.384	.564	1.368	1.368	.2646	.2543	.2037	1.999
	78	28	.051	.060	.150	.183	.216	.276	.293	.327	.636	1.049	1.049	.2358	.2002	.1843	2.024
TRENTON																	
315400001A01	77*	19	.058	.117	.188	.301	.344	.422	.537	.696	.714	.798	.798	.3617	.2186	.2965	1.990
	78	31	.031	.053	.096	.144	.175	.283	.367	.446	.466	.475	.475	.2036	.1460	.1548	2.189

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NORTH CAROLINA																	
GREENSBORO																	
341740009A01	77*	22	.029	.035	.058	.069	.077	.082	.094	.095	.132	.134	.134	.0738	.0270	.0691	1.461
	78*	25	.023	.037	.043	.059	.067	.070	.075	.090	.094	.105	.105	.0600	.0209	.0564	1.450
MOREHEAD CITY																	
342720002A01	78	28	LD	LD	LD	.032	.042	.046	.049	.055	.094	.162	.162	.0379	.0322	.0280	2.243
	79*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
WINSTON-SALEM																	
344460002A01	77	29	.033	.035	.068	.078	.080	.088	.112	.120	.148	.174	.174	.0841	.0349	.0772	1.536
	78	29	.031	.037	.067	.078	.092	.097	.132	.289	.410	.434	.434	.1230	.1131	.0920	2.061
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
OHIO																	
AKRON																	
360060014A01	77	26	.071	.119	.145	.167	.183	.192	.236	.266	.268	.327	.327	.1810	.0601	.1712	1.417
	78	26	.067	.078	.117	.148	.151	.173	.191	.205	.267	.388	.388	.1564	.0675	.1447	1.490
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
CANTON																	
361000001A01	77*	27	.083	.099	.159	.198	.205	.243	.266	.302	.349	.511	.511	.2112	.0928	.1933	1.542
	78*	25	.043	.076	.131	.211	.269	.304	.424	.560	.691	.832	.832	.2722	.2059	.2086	2.140
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
CINCINNATI																	
361220001A01	77	29	.084	.086	.115	.135	.137	.161	.256	.318	.545	1.736	1.736	.2277	.3091	.1646	1.951
	78	30	.047	.089	.128	.148	.168	.196	.237	.295	.346	.672	.672	.1854	.1169	.1614	1.678
	79	28	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									9.051				
361220019A01	78*	18	LD	.141	.298	.495	.516	.720	.958	1.366	1.821	2.011	2.011	.6727	.5622	.4359	3.316
	79*	17	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									1.542				
CLEVELAND																	
361300001A01	77*	19	.051	.150	.235	.402	.411	.465	.504	.519	.718	.830	.830	.3079	.1949	.3311	1.915
	78	26	.035	.069	.161	.259	.305	.329	.443	.690	1.025	1.434	1.434	.3592	.3348	.2479	2.466
	79*	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.557				
COLUMBUS																	
361460001A01	77	25	.058	.071	.121	.177	.207	.221	.315	.627	1.052	1.201	1.201	.2724	.2903	.1901	2.241
	78*	26	.042	.065	.099	.245	.258	.414	1.002	1.051	2.354	3.864	3.864	.5715	.8610	.2620	3.435
	79*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.750				

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POLLUTANT - 12167 - ZINC
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UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
ALLENTOWN																	
390120001A01	77	29	.061	.091	.172	.288	.302	.462	.536	.637	1.188	3.722	3.722	.4595	.6735	.2962	2.346
	78*	19	.036	.112	.193	.400	.439	.883	1.066	1.801	2.233	2.310	2.310	.7013	.7145	.4117	3.100
ALTOONA																	
390140001A01	77*	22	.044	.045	.074	.099	.101	.102	.114	.127	.134	.152	.152	.0921	.0285	.0876	1.397
BETHLEHEM																	
390780002A01	77	25	.064	.090	.170	.345	.403	.490	.785	1.041	1.269	1.552	1.552	.4509	.4039	.3084	2.481
	78*	24	.128	.139	.200	.312	.552	.707	.958	1.636	2.121	3.303	3.303	.6998	.7684	.4422	2.592
ERIE																	
393060002A01	77	25	LD	.052	.100	.117	.151	.196	.254	.384	.436	.677	.677	.1809	.1517	.1300	2.491
HARRISBURG																	
393880361A01	77	30	.047	.072	.112	.145	.159	.183	.214	.264	.372	.406	.406	.1667	.0880	.1468	1.674
	78	26	.049	.065	.101	.129	.151	.194	.258	.286	.459	.540	.540	.1763	.1268	.1429	1.910
HAZLETON																	
393960001A01	77	25	.076	.082	.135	.141	.158	.196	.229	.382	.400	.434	.434	.1817	.1080	.1602	1.648
	78	28	.045	.049	.087	.102	.118	.188	.210	.686	1.178	1.421	1.421	.2455	.3447	.1420	2.555
JOHNSTOWN																	
394460803A01	77*	22	.050	.068	.132	.157	.158	.168	.187	.187	.188	.208	.208	.1476	.0418	.1405	1.421
LANCASTER CITY																	
394660002A01	77*	19	.058	.059	.110	.136	.136	.184	.316	.472	.667	.929	.929	.2408	.2347	.1698	2.265
PHILADELPHIA																	
397140004A01	77	28	.089	.105	.182	.261	.291	.321	.391	.600	.863	.989	.989	.3203	.2291	.2594	1.921
PITTSBURGH																	
397260001A01	77*	20	.095	.174	.250	.281	.325	.497	.582	.700	.992	2.321	2.321	.4754	.4872	.3571	2.038
READING																	
397620001A01	77	29	.050	.064	.103	.151	.207	.240	.327	.506	.721	1.731	1.731	.2730	.3314	.1807	2.365
	78	29	LD	.043	.110	.185	.217	.291	.569	1.190	1.473	2.204	2.204	.4036	.5290	.1995	3.467
SCRANTON																	
398040001A01	77	28	.065	.097	.169	.202	.228	.294	.323	.371	.418	.486	.486	.2341	.1098	.2084	1.668
WARMINSTER																	
399160002A01	77*	23	.058	.072	.126	.147	.168	.201	.247	.316	.345	.609	.609	.1886	.1208	.1618	1.732

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% COMP. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
PENNSYLVANIA																	
WEST CHESTER																	
399280110A01	77	30	.035	.056	.083	.101	.112	.163	.183	.215	.288	.336	.336	.1289	.0735	.1113	1.732
WILKES-BARRE																	
399430001A01	77	30	.054	.069	.099	.145	.159	.189	.269	.463	.509	.510	.510	.2000	.1493	.1581	1.973
YORK																	
399560322A01	77	30	.040	.058	.079	.096	.099	.101	.120	.138	.155	.185	.185	.0984	.0326	.0933	1.401
PUERTO RICO																	
GUAYANILLA CO																	
401100003A01	77*	23	.017	.017	.025	.029	.030	.031	.034	.051	.060	.065	.065	.0316	.0134	.0293	1.480
	78	28	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									.045				
	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
GUAYNABO CO																	
401140001A01	77	28	.034	.036	.047	.058	.069	.077	.089	.122	.179	.272	.272	.0766	.0504	.0668	1.634
	78*	25	LD	.032	.041	.056	.058	.063	.064	.086	.091	.160	.160	.0566	.0286	.0505	1.667
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
PONCE																	
401920002A01	77*	24	.038	.038	.045	.056	.058	.060	.064	.079	.098	.098	.098	.0580	.0163	.0561	1.300
	78	27	.028	.033	.050	.054	.055	.059	.065	.069	.083	.147	.147	.0566	.0221	.0535	1.390
	79	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
SABANA SECA																	
402065001A01	77*	26	.019	.022	.042	.058	.065	.092	.154	.295	.353	.809	.809	.1240	.1667	.0747	2.566
SAN JUAN CO																	
402160001A01	77*	24	.027	.032	.039	.049	.052	.070	.079	.084	.122	.145	.145	.0601	.0287	.0548	1.525
	78*	16	.025	.034	.043	.058	.064	.065	.078	.079	.088	.095	.095	.0583	.0204	.0548	1.455
402160003A01	79	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
TOA BAJA CO																	
402320002A01	78*	18	LD	LD	.043	.058	.064	.073	.114	.134	.212	.293	.293	.0832	.0713	.0609	2.358
	79	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.595				
RHODE ISLAND																	
EAST PROVIDENC																	
410120001A01	77*	20	.030	.039	.053	.070	.073	.121	.148	.178	.210	.634	.634	.1179	.1310	.0866	2.057
	78*	19	.040	.046	.066	.086	.104	.149	.166	.268	.507	.667	.667	.1581	.1657	.1114	2.213

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
RHODE ISLAND																	
EAST PROVIDENC																	
410120008A01	79*	23	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									LD				
SOUTH CAROLINA																	
GREENVILLE																	
421180001A01	77	27	.023	.025	.042	.050	.054	.059	.077	.111	.131	.152	.152	.0611	.0325	.0544	1.617
	79*	21	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									LD				
SOUTH DAKOTA																	
SIOUX FALLS																	
431480001A01	77*	20	.023	.023	.032	.043	.046	.052	.074	.079	.081	.104	.104	.0492	.0223	.0449	1.545
	78*	22	LD	LD	.036	.050	.053	.064	.080	.084	.090	.109	.109	.0538	.0260	.0465	1.857
TENNESSEE																	
CHATTANOOGA																	
440380001A01	77	24	.049	.056	.092	.117	.178	.333	.430	.940	1.350	1.872	1.872	.3396	.4540	.1871	2.837
440380020A01	78	29	LD	.032	.099	.147	.173	.276	.498	.690	.808	1.326	1.326	.2921	.3159	.1656	3.187
	79	30	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.504				
KNOXVILLE																	
441740002A01	77*	22	.052	.064	.081	.100	.115	.122	.176	.216	.344	.501	.501	.1376	.1044	.1153	1.744
441740003A01	78	29	.040	.073	.097	.147	.149	.172	.212	.242	.311	.323	.323	.1512	.0745	.1341	1.668
MEMPHIS																	
442340001A01	77*	15	.064	.089	.098	.109	.116	.142	.185	.640	.640	1.270	1.270	.2379	.3207	.1533	2.273
	78*	19	.037	.044	.059	.077	.082	.086	.099	.135	.136	.250	.250	.0872	.0485	.0781	1.584
442340013A01	79*	17	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									LD				
NASHVILLE																	
442540001A01	77*	21	.043	.045	.067	.087	.092	.097	.129	.165	.168	.225	.225	.0953	.0485	.0855	1.601
TEXAS																	
AMARILLO																	
450070002A01	77*	21	.042	.043	.050	.068	.084	.092	.099	.103	.119	.120	.120	.0748	.0256	.0707	1.417
	78*	17	LD	.030	.054	.081	.085	.104	.109	.120	.122	.141	.141	.0790	.0362	.0681	1.915
AUSTIN																	
450220010A01	77*	17	LD	LD	LD	.031	.035	.037	.039	.040	.042	.044	.044	.0272	.0139	.0223	2.074
	78	22	LD	LD	LD	LD	.041	.056	.073	.091	.097	.131	.131	.0399	.0365	.0255	2.696

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
BEAUMONT																	
450330001A01	77	25	LD	LD	.050	.053	.055	.069	.079	.106	.144	.186	.186	.0629	.0397	.0498	2.236
	78	25	LD	LD	.043	.055	.070	.077	.084	.146	.375	.511	.511	.0860	.1145	.0492	2.956
CORPUS CHRISTI																	
451150001A01	77	26	LD	LD	.037	.045	.050	.071	.079	.083	.320	.604	.604	.0790	.1225	.0448	2.889
	78	26	LD	LD	LD	.050	.064	.102	.121	.128	.148	.154	.154	.0649	.0507	.0420	2.895
DALLAS																	
451310002A01	77*	21	.036	.038	.053	.063	.069	.085	.106	.112	.184	.233	.233	.0799	.0488	.0703	1.621
EL PASO																	
451700002A01	78*	17	.035	.046	.123	.219	.366	.509	.766	.830	1.243	1.272	1.272	.4152	.4008	.2474	3.899
FORT WORTH																	
451880001A01	77	26	.031	.037	.053	.059	.065	.069	.083	.102	.113	.186	.186	.0687	.0318	.0635	1.472
	78	23	LD	LD	.046	.060	.067	.071	.072	.087	.100	.110	.110	.0572	.0268	.0483	1.997
HOUSTON																	
452560001A01	77*	15	.058	.076	.089	.128	.143	.267	.428	.644	.644	.767	.767	.2552	.2372	.1760	2.389
	78	25	.035	.056	.088	.119	.131	.198	.210	.546	.557	1.217	1.217	.2061	.2526	.1368	2.313
LUBBOCK																	
453340001A01	77*	21	LD	LD	.033	.040	.042	.046	.054	.057	.063	.084	.084	.0407	.0177	.0357	1.821
	78	25	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.067				
PASADENA																	
454060002A01	77*	27	.033	.041	.066	.100	.117	.129	.155	.166	.223	.244	.244	.1098	.0578	.0955	1.735
	78*	23	.030	.033	.069	.117	.118	.129	.176	.205	.216	.231	.231	.1188	.0602	.1028	1.792
SAN ANTONIO																	
454570034A01	77*	23	.024	.025	.047	.075	.081	.099	.116	.204	.218	.299	.299	.0958	.0706	.0759	2.003
	78	26	LD	.035	.048	.078	.091	.102	.146	.181	.212	.482	.482	.1042	.0946	.0777	2.192
WICHITA FALLS																	
455560002A01	77	29	LD	.022	.029	.035	.039	.046	.054	.067	.077	.092	.092	.0411	.0191	.0369	1.643
	78	26	LD	LD	LD	.030	.034	.035	.050	.058	.091	.148	.148	.0342	.0331	.0235	2.388
UTAH																	
OGDEN																	
460680001A01	77*	22	LD	.033	.058	.074	.093	.111	.145	.207	.243	.284	.284	.1044	.0711	.0821	2.184
	78	29	.025	.032	.045	.065	.074	.081	.090	.113	.194	.208	.208	.0739	.0439	.0641	1.701

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
UTAH																	
SALT LAKE CITY																	
460920001A01	77*	24	.041	.049	.067	.081	.102	.149	.188	.247	.286	.315	.315	.1238	.0800	.1032	1.830
	78*	25	LD	.037	.048	.069	.111	.121	.131	.171	.205	.645	.645	.1085	.1220	.0780	2.213
VERMONT																	
BURLINGTON																	
470140003A01	77	26	.025	.055	.067	.074	.086	.090	.094	.102	.130	.145	.145	.0802	.0272	.0753	1.464
VIRGINIA																	
DANVILLE																	
480920001A01	77	29	LD	LD	.025	.033	.038	.050	.068	.127	.220	.439	.439	.0643	.0860	.0400	2.538
	78	27	LD	LD	.035	.041	.045	.050	.056	.059	.076	.095	.095	.0424	.0199	.0367	1.645
FAIRFAX CO																	
481060001A01	77*	27	LD	.033	.046	.059	.063	.075	.077	.079	.093	.105	.105	.0596	.0222	.0541	1.676
HAMPTON																	
481440001A01	77	30	.042	.046	.063	.088	.096	.099	.120	.158	.192	.231	.231	.0983	.0473	.0889	1.567
LYNCHBURG																	
481840002A01	77	30	.029	.034	.067	.081	.143	.204	.292	.495	1.242	1.427	1.427	.2406	.3338	.1317	2.853
	78	29	LD	.028	.050	.093	.118	.200	.343	1.472	2.598	3.267	3.267	.4601	.8421	.1322	4.721
NORFOLK																	
482140001A01	77	29	.039	.058	.085	.101	.122	.141	.169	.174	.466	.600	.600	.1412	.1199	.1145	1.829
	78	29	LD	.035	.078	.117	.135	.157	.197	.222	.364	.506	.506	.1430	.1089	.1076	2.287
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
PORTSMOUTH																	
482440001A01	77	30	.041	.058	.084	.126	.144	.202	.248	.327	.345	.438	.438	.1642	.1061	.1348	1.902
	78*	25	LD	.075	.123	.154	.155	.198	.207	.367	.382	.619	.619	.1867	.1293	.1486	2.165
RICHMOND																	
482660002A01	77	30	.032	.046	.061	.078	.083	.088	.122	.157	.169	.198	.198	.0897	.0431	.0810	1.572
ROANOKE																	
482700003A01	77	29	.033	.048	.060	.083	.095	.099	.129	.149	.312	.357	.357	.1064	.0784	.0885	1.783

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POLLUTANT - 12167 - ZINC
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UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WASHINGTON																	
SEATTLE																	
491840001A01	77	31	.029	.046	.073	.086	.096	.110	.138	.150	.166	.210	.210	.0974	.0434	.0883	1.585
	78	30	.032	.045	.065	.072	.078	.094	.106	.126	.190	.192	.192	.0856	.0387	.0786	1.515
SPOKANE																	
492040001A01	77*	26	LD	.016	.036	.052	.072	.076	.097	.107	.147	.151	.151	.0631	.0401	.0487	2.270
	78	27	LD	.027	.033	.054	.065	.095	.130	.155	.206	.227	.227	.0702	.0606	.0590	2.177
	79*	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
TACOMA																	
492140001A01	77	28	.018	.027	.059	.087	.109	.149	.166	.244	.265	.268	.268	.1167	.0777	.0922	2.094
	78	30	LD	.034	.054	.072	.088	.140	.188	.211	.260	.292	.292	.1091	.0792	.0812	2.343
WEST VIRGINIA																	
CHARLESTON																	
500280001A01	77	30	.040	.051	.061	.073	.074	.093	.099	.120	.133	.135	.135	.0800	.0272	.0758	1.392
	78*	23	.038	.041	.072	.096	.104	.138	.219	.256	.417	.628	.628	.1496	.1408	.1089	2.192
SOUTH CHARLEST																	
501760001A01	77	29	.035	.040	.062	.072	.072	.076	.087	.096	.120	.123	.123	.0726	.0222	.0693	1.368
WISCONSIN																	
EAU CLAIRE																	
510840002A01	77*	20	.030	.030	.038	.045	.051	.065	.072	.119	.146	.277	.277	.0687	.0578	.0564	1.781
	78	25	LD	LD	.031	.048	.048	.067	.073	.100	.108	.182	.182	.0541	.0383	.0420	2.184
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
KENOSHA																	
511540001A01	77*	23	LD	.045	.089	.139	.169	.254	.429	.534	.565	.820	.820	.2404	.2235	.1485	3.024
511540003A01	78	30	LD	.039	.073	.148	.182	.266	.328	.587	1.144	1.284	1.284	.2633	.3116	.1502	3.018
	79	27	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									1.002				
MADISON																	
511060001A01	77	28	.018	.028	.044	.052	.058	.064	.074	.096	.123	.131	.131	.0607	.0287	.0548	1.590
	78	29	LD	.033	.052	.068	.072	.081	.101	.109	.126	.160	.160	.0719	.0328	.0638	1.726
	79*	26	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									LD				
MILWAUKEE																	
512200099A01	77	26	.045	.054	.065	.092	.145	.156	.177	.212	.328	.366	.366	.1338	.0888	.1109	1.849
	78	25	.025	.058	.081	.134	.157	.214	.242	.308	.376	.510	.510	.1669	.1167	.1317	2.071
	79	29	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									.444				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
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UNITS - 01 - UG/CU METER (25 C)

URBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
WISCONSIN																	
RACINE																	
512800002A01	77	28	.032	.034	.046	.080	.096	.108	.151	.508	.578	.619	.619	.1460	.1751	.0925	2.417
	78	29	LD	.041	.067	.096	.111	.129	.193	.256	.370	.471	.471	.1330	.1071	.0992	2.257
	79	29	LD	NO. OF SAMPLES (			29) BELOW MIN. DET. > 50%						LD				
SUPERIOR																	
513480001A01	77	21	.020	.023	.036	.040	.049	.067	.081	.110	.111	.116	.116	.0555	.0304	.0486	1.682
	78	26	.030	.032	.050	.057	.062	.064	.073	.092	.103	.156	.156	.0631	.0269	.0586	1.467
513480006A01	79	28	LD	NO. OF SAMPLES (			28) BELOW MIN. DET. > 50%						LD				

* INDICATES YEARLY CRITERIA NOT MET

POLLUTANT - 12167 - ZINC
METHOD - 90 - HI-VOL J.A. EMISSION SPEC (ICAP)
UNITS - 01 - UG/CU METER (25 C)

N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
ARIZONA																	
GRAND CANYON N																	
030370001A03	77	25	LD	NO. OF SAMPLES (24) BELOW MIN. DET. > 50%									.032				
ARKANSAS																	
MONTGOMERY CO																	
041760001A03	78	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.028				
DELAWARE																	
KENT CO																	
080060001A03	77	29	.044	.072	.100	.130	.148	.194	.303	.431	2.295	5.623	5.623	.4328	1.0786	.1791	2.769
	78	30	.053	.057	.084	.130	.155	.169	.191	.278	1.298	1.738	1.738	.2263	.3618	.1401	2.262
FLORIDA																	
HIGHLANDS CO																	
101780002A03	77*	21	LD	LD	LD	.019	.020	.023	.037	.048	.059	.082	.082	.0234	.0198	.0174	2.169
HAWAII																	
MAUNA LOA																	
120080001A03	77	27	LD	NO. OF SAMPLES (26) BELOW MIN. DET. > 50%									.018				
IDAHO																	
BUTTE CO																	
130340001A03	77*	22	LD	NO. OF SAMPLES (13) BELOW MIN. DET. > 50%									.102				
	78	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.043				
INDIANA																	
MONROE CO																	
152800001A03	77*	18	.023	.026	.035	.041	.045	.048	.053	.073	.112	.118	.118	.0497	.0264	.0449	1.550
	78*	20	LD	LD	.031	.040	.056	.065	.082	.091	.107	.120	.120	.0519	.0318	.0415	2.117
	79	28	LD	NO. OF SAMPLES (28) BELOW MIN. DET. > 50%									LD				
PARKE CO																	
153260001A03	77*	22	.023	.024	.031	.042	.046	.050	.055	.071	.081	.141	.141	.0468	.0265	.0419	1.581

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N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
MAINE																	
ACADIA NAT PAR																	
200010001A03	77	24	LD	LD	LD	LD	.023	.029	.036	.039	.041	.087	.087	.0217	.0191	.0158	2.226
	78*	23	LD	NO. OF SAMPLES (14) BELOW MIN. DET. > 50%									.221				
	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
MARYLAND																	
CALVERT CO																	
210280001A03	77	28	.022	.023	.041	.058	.065	.073	.077	.095	.106	.176	.176	.0619	.0321	.0551	1.639
	78*	23	LD	LD	LD	.037	.049	.066	.084	.136	.140	.144	.144	.0517	.0484	.0311	2.952
	79	25	LD	NO. OF SAMPLES (25) BELOW MIN. DET. > 50%									LD				
MISSISSIPPI																	
JACKSON CO																	
251280001A03	77*	22	LD	.021	.031	.034	.036	.040	.048	.053	.061	.064	.064	.0367	.0137	.0337	1.585
MISSOURI																	
SHANNON CO																	
264480002A03	77*	22	LD	LD	LD	.019	.019	.028	.042	.048	.102	.323	.323	.0382	.0671	.0209	2.634
MONTANA																	
GLACIER NAT PA																	
270570001A03	77*	19	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.029				
ROSEBUD CO																	
271360026A03	77*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.027				
	78*	24	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									.050				
NEVADA																	
WHITE PINE CO																	
290560001A03	77	29	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.062				
	78*	24	LD	NO. OF SAMPLES (23) BELOW MIN. DET. > 50%									.056				
	79	27	LD	NO. OF SAMPLES (27) BELOW MIN. DET. > 50%									LD				
NEW HAMPSHIRE																	
COOS CO																	
300140001A03	77*	25	LD	LD	LD	.023	.025	.026	.027	.054	.062	.085	.085	.0222	.0197	.0162	2.221
	78*	19	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.062				

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NONURBAN

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
NEW HAMPSHIRE COOS CO 300140001A03	79*	16	LD	NO. OF SAMPLES (16) BELOW MIN. DET. > 50%									LD				
NEW YORK JEFFERSON CO 333340001A03	79*	19	LD	NO. OF SAMPLES (19) BELOW MIN. DET. > 50%									LD				
OREGON CURRY CO 380440001A03	77	28	LD	LD	LD	.017	.018	.020	.022	.027	.035	.056	.056	.0182	.0105	.0158	1.725
	78*	24	LD	LD	LD	.025	.029	.035	.050	.104	.106	.124	.124	.0371	.0328	.0269	2.241
PENNSYLVANIA CLARION CO 391760001A03	77*	25	LD	LD	.036	.045	.056	.076	.078	.126	.146	.222	.222	.0634	.0487	.0471	2.362
	78	30	LD	LD	LD	.027	.035	.039	.051	.072	.103	.120	.120	.0351	.0310	.0245	2.376
RHODE ISLAND WASHINGTON CO 410380002A03	77*	19	LD	LD	.043	.051	.051	.056	.069	.074	.076	.160	.160	.0544	.0323	.0447	2.075
	78*	17	LD	NO. OF SAMPLES (9) BELOW MIN. DET. > 50%									.119				
SOUTH CAROLINA RICHLAND CO 421900002A03	77*	19	LD	.015	.028	.035	.038	.038	.044	.052	.064	.176	.176	.0412	.0355	.0333	1.893
SOUTH DAKOTA BLACK HILLS NA 430110001A03	77*	24	LD	NO. OF SAMPLES (21) BELOW MIN. DET. > 50%									.024				
	78	27	LD	NO. OF SAMPLES (15) BELOW MIN. DET. > 50%									.163				
TENNESSEE CUMBERLAND CO 440680001A03	77	29	LD	LD	.022	.029	.032	.032	.039	.044	.055	.059	.059	.0289	.0135	.0253	1.788

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N O N U R B A N

ANALYTICAL QUALITY DISCR. LIMIT (UG/M3)		95% CONF. PRECISION (%)
1977	.0152	+-22.0
1978	.0202	+-22.0
1979	.3260	+-74.0

SITE:	YR	NO.	MIN	10	30	50	60	70	80	90	95	99	MAX	ARITHMETIC MEAN	ARITHMETIC STDEV	GEOMETRIC MEAN	GEOMETRIC STD
TEXAS																	
MATAGORDA CO																	
453530001A03	78*	18	LD	NO. OF SAMPLES (12) BELOW MIN. DET. > 50%									.061				
TOM GREEN CO																	
455200001A03	77	26	LD	LD	LD	.027	.033	.044	.055	.061	.067	.103	.103	.0333	.0242	.0245	2.373
	78*	17	LD	NO. OF SAMPLES (11) BELOW MIN. DET. > 50%									.162				
VERMONT																	
ORANGE CO																	
470360001A03	77*	20	LD	LD	.022	.040	.043	.051	.085	.105	.124	.187	.187	.0538	.0451	.0391	2.336
	79*	18	LD	NO. OF SAMPLES (18) BELOW MIN. DET. > 50%									LD				
VIRGINIA																	
SHENANDOAH NAT																	
482890001A03	77	30	LD	LD	.031	.034	.035	.037	.039	.046	.063	.066	.066	.0334	.0144	.0293	1.812
	78*	18	LD	LD	LD	.031	.044	.049	.064	.132	.156	.347	.347	.0596	.0829	.0319	3.033
	79	29	LD	NO. OF SAMPLES (29) BELOW MIN. DET. > 50%									LD				
WYTHE CO																	
483440001A03	77	30	LD	LD	LD	.019	.023	.025	.033	.035	.037	.049	.049	.0192	.0124	.0153	2.003
	78*	17	LD	LD	LD	.039	.040	.041	.042	.048	.048	.061	.061	.0299	.0179	.0238	2.110
WISCONSIN																	
DOOR CO																	
510780001A03	77*	16	LD	LD	LD	.025	.034	.036	.043	.058	.060	.090	.090	.0311	.0233	.0230	2.344
	78*	16	LD	LD	LD	.026	.035	.035	.046	.056	.056	.156	.156	.0363	.0358	.0264	2.224
510780002A03	79*	22	LD	NO. OF SAMPLES (22) BELOW MIN. DET. > 50%									LD				
WYOMING																	
YELLOWSTONE NA																	
520860001A03	77*	18	LD	NO. OF SAMPLES (17) BELOW MIN. DET. > 50%									.042				

* INDICATES YEARLY CRITERIA NOT MET

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